

REYNOLDSBURG STEM SCHOOLS TRANSFORMATION

Year 2 Implementation 2015-2016



**Reynoldsburg
City Schools**

Submitted to:
Reynoldsburg City Schools

Submitted by
THE PAST FOUNDATION

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Reynoldsburg STEM Schools Transformation Year 2 Implementation 2015-2016

Table of Contents

Professional Development Introduction & Overview.....	xx
Herbert Mills STEM Elementary School.....	xx
Baldwin Road STEM Middle School.....	xx
(HS) ² Academy.....	xx
Summit Road STEM Elementary School.....	xx
eSTEM Academy.....	xx
Recommendations & Next Steps.....	xx
Professional Development Appendix.....	xx
Knowledge Capture Introduction.....	1
Table A: RCS Parent Survey Response Rate (Comparative 2015/2016).....	2
Parent Survey 2016.....	4
Table B: What Does "STEM" Mean to You?.....	5
Table C: How Satisfied are You with the STEM Program? (Comparative 2015/2016).....	6
Table D: What are Your Hopes for Your Child as a Result of Attending a STEM School?.....	7
Table E: How Can You Contribute to Supporting or Enhancing the School's Goals for the Coming School Year?.....	9
Table F: Where at [Your School] Have You Seen High Quality STEM Work? (Comparative 2015/2016).....	10
Table G: What is the Best Example of STEM Work Your Student Has Engaged in at Their School?.....	11
The Role of ReynSTEM Parents in Successful Student Learning.....	12





Knowledge Capture Appendices.....	14
Appendix A: ReynSTEM 2016 Survey Question.....	15
Appendix B: ReynSTEM 2016 Parent Survey Individual Reports by School.....	45
Appendix C: Overview by School of Parent Responses of Four Key Dimensions.....	265
Appendix D: ReynSTEM 2016 Comparative Analysis of Parent Perceptions about STEM in Five RCS Schools.....	271





KNOWLEDGE CAPTURE **ReynSTEM 2015-2016** **Parent Survey Analysis**

In the 2015-16 school year, the Knowledge Capture Program conducted the second parent survey in five Reynoldsburg City Schools (RCS) to explore their perceptions of STEM education in the RCS K-12 STEM schools. The five schools include Herbert Mills STEM Elementary, Summit Road STEM Elementary, STEM Middle@Baldwin Road Junior High, eSTEM Academy, and (HS)² Academy.

The first (baseline) parent surveys were conducted in spring 2015 and findings were reported to the RCS district and school principals in May 2015. The 2015 report informed the RCS District and school principals in their efforts to create a three-year plan for a robust path forward for the five STEM schools supported by the PAST Foundation. Thematic analysis of parent data provided input on key issues concerning school goals for strengthening transdisciplinary problem based learning, improving K-12 program alignment, and attaining enhanced understanding of STEM education for principals, teachers, students and parents. The 2015 parent survey launched the first effort to gain feedback from parents on perceptions about strengths and weaknesses of each of the five school STEM programs. The 2015 surveys also provided baseline data for gauging changes in parents' views over time at each of the five schools as part of the three-year plan for school design of the ReynSTEM schools.

The second survey conducted in spring 2016 was designed to gain insight on parent perceptions during year two of the three-year school design process. The 2016 surveys were administered during February to early March 2016. Survey questions for 2016 were comprised of a modified set of questions from 2015, with review and input from the principal Leadership Group, district staff, and the PAST Team. The 2016 surveys were administered by the PAST Foundation Knowledge Capture Team via an online secure platform, SurveyMethods.com® to ensure anonymity for survey respondents. The survey design included both open-ended questions as well as questions presenting a list or range from which to choose, including the opportunity for additional open-ended comments (see *Appendix A: ReynSTEM 2016 Survey Questions*).





Overall, all five schools maintained or increased the parent response rate in 2016 in comparison with 2015. As part of the strategy to increase parent participation in 2016, each of the schools issued multiple invitations prior to the survey launch, and once launched, continued to send out reminders about the survey while it was underway. Parents were offered an extended period to access and complete the survey. The survey was accessible beginning February 4th and continued through early March on a 24/7 basis for convenience of parents to complete the survey.

Table A: RCS Parent Survey Response Rates shows gains for individual schools, with an overall increase of 39% across the five schools over the 2015 response rate. In particular, three schools achieved a significant increase, with eSTEM at 63% and Baldwin at 91%. Herbert Mills achieved an increase of 157% over 2015, largely due to providing access to computers for parents during an evening event held at the school. This may be an important option for all schools in the future to maximize parent input by providing access to web-based surveys during family events on the school campus.

TABLE A

RCS Parent Survey Response Rates (Comparative 2015/2016)				
School	2015	2016	Difference (+)	% Change (+)
eSTEM	178	227	49	63%
(HS)2	50	65	15	30%
Baldwin	127	243	116	91%
Summit	217	218	1	0.04%
Herbert Mills	37	95	58	157%
ReynSTEM Overall:	609	848	239	39%

Table A: All five schools maintained or increased parent survey response rate in 2016, with an overall increase over 2015 of 39%.

Survey analysis was conducted by the Knowledge Capture Team and reported in two phases, providing real-time data to apply to the school design process conducted during spring 2016. Reporting included: individual school reports with quantitative data presentation submitted in March prior to the RCS Spring Break, and "Light bulb," 1-page infographics with qualitative data presentation (April 29, 2016). These preliminary reports were used by the PAST School Design Team during spring 2016 to support strategic application of parent survey data to inform planning and action led by principals, and put into practice by STEM Coordinators and teachers.





Individual survey reports presenting analysis of quantitative survey data were issued to four of the five schools on March 9, 2016 including Summit, Baldwin, eSTEM and (HS)². Herbert Mills extended the window for parents to take the survey through March 10 to increase the response rate by providing access to computers and Internet during an evening parent night held at the elementary school. As a result, an additional (42) parents from Herbert Mills were able to take the survey. The survey report for Herbert Mills was provided to the school on March 11, 2016. Individual school reports are presented in *B: ReynSTEM 2016 Parent Survey Individual Reports by School*.

In April 2016, the first component of qualitative data analysis was presented in a 1-page infographic based on a 2015 design and modified with 2016 parent survey data. These graphic presentations provided the district with comparative data over a two-year period on four key issues defined by parents, including their understanding of STEM education, aspects they consider beneficial for student learning, concerns on specific issues with potential for improvement, and overall aspirations for students enrolled in STEM schools. *Appendix C: Overview by School of Parent Responses of Four Key Dimensions* presents the 2016 1-page infographics that were distributed to principals in April.

This final report presents a comparative analysis of parent responses in quantitative and qualitative analysis. The survey report presented in *Appendix D: ReynSTEM 2016 Comparative Analysis of Parent Perceptions about STEM in Five RCS Schools*, provides an overview of all parent responses across the five schools.

The analysis is also designed to characterize particular issues identified by parents at the elementary, middle, or high school levels. Tabled data is designed to compare issues identified by parents in qualitative analysis of issues exclusive to particular grade levels, as well as where perspectives involve issues identified by parents across K-12 grade levels. The overview also helps to shed light on areas where parents are informed, satisfied and supportive of school programmatic design, as well as where gaps exist in parental understanding of STEM program goals for students engaged in transdisciplinary problem based learning.

The following sections of this report explore the 2016 survey findings. Discussion of 2016 responses as compared with 2015 survey responses is also presented in tabled format for open-ended questions. The overall trend shows a positive shift toward improved understanding of STEM education and benefits of a problem based learning approach to instruction, as well as increased satisfaction with the quality of learning.





Parent Survey 2016

The 2016 survey question set consists of (20) questions for four of the five schools including Summit, Baldwin, eSTEM and (HS)². Herbert Mills included one additional question concerning blended learning (Q10), for a total of (21) questions. Five questions offered parents a set list from which to choose, allowing each school to tailor the survey to reflect program components specific to their school. These include:

- Q8: *What are the things you like most about [school]?*
- Q9: *What are the things you like least about [school]?*
- Q11: *How can you contribute to supporting or enhancing the school's goals for the coming school year?* (Q12 Herbert Mills)
- Q12: *I feel strongly about my child having the following at [school].* (Q13 Herbert Mills)
- Q13: *Where at [school] have you seen your student engage in high-quality STEM work?* (Q14 Herbert Mills)

Comparative analysis presented in the report of these questions across the five schools focused on comparing the core set of common features listed by each school, and is noted in the discussion of each of these questions in the following narrative.

Questions 3, 4 and 5, asked parents to comment on general perceptions about STEM education and related benefits associated with STEM learning for students. Response to Q3 (*"Did you choose to send your child to [school] because of the STEM program?"*), showed very little change over 2015 responses. Overall responses at three schools ranged from 91% to 99.5%. These three schools either maintained (Summit at 97%) or gained slightly (Baldwin increased by 3.5%, and eSTEM increased by 7%). Two schools showed a slight drop with a decrease of 4% for Herbert Mills over 2015, and (HS)² decreased by 3%.

Q4 (*"What does STEM mean to you?"*) was an open-ended question and is presented in Table B. In comparison to 2015, two new issues emerged among parent views in 2016. *"Higher level of student engagement,"* came up at four schools (2 ES, 1 MS, and 1 HS), and *"Safe environment for learning,"* came up at two schools (1 ES and 1 MS). Additionally *"Technology related teaching"* which was identified in 2015 by three schools (2 ES and 1 MS), also appeared in HS parent responses at one school in 2016.





TABLE B

Q4: What does "STEM" mean to you?	Number of Buildings* (n=5)
Acronym only: <i>Science, Technology, Engineering, Math</i>	■ ■ ■ ■ ■
Expanded educational and career <i>pathways</i>	■ ■ ■ ■ ■
<i>Problem based learning: hands-on, engineering design principles</i>	■ ■ ■ ■ ■
<i>21st century learning: rigor, critical thinking, problem solving, innovative, outside the box</i>	■ ■ ■ ■ ■
<i>Advanced education</i>	■ ■ ■ ■
<i>Integrated curriculum, real world problems (transdisciplinary learning)</i>	■ ■ ■ ■
<i>Technology related teaching</i>	■ ■ ■ ■
Higher level of student engagement	■ ■ ■ ■
<i>Collaboration rich environment</i>	■ ■ ■
Differentiated learning	■ ■ ■
<i>Nontraditional learning environment</i>	■ ■ ■
STEM ambiguity: E=Environment; M=Mechanics	■ ■
<i>Safe environment for learning</i>	■ ■
<i>Blended learning environment</i>	■ ■
<i>Parental involvement in the learning process</i>	■
*■Elementary School (ES); ■Middle School (MS); ■High School (HS)	

Table B: Text in italics indicates words or phrases used by parents in survey responses.

Combined responses in 2016 of parents who indicated they were either “very satisfied” or “somewhat satisfied at four of the five schools for Q5 (“How satisfied are you with the STEM Program?”), ranged from 92% to 99%. The percentage range is consistent with 2015, with little change. However, when comparing a breakdown of response categories, a very important pattern emerges trending toward an increase in parent satisfaction. Table C shows a positive trend in all five schools.

In Table C, it is apparent that the percentage of parents who responded “very satisfied” with the STEM program in 2015 increased in 2016 at three schools, with a 50% increase at Summit, 23% increase at Herbert Mills, and 9% increase at eSTEM. Among those parents who said they were “somewhat satisfied” in 2015, two schools showed a substantial increase, with Baldwin at 44%, and (HS)² at 33%.





TABLE C

Q5: How satisfied are you with the STEM program? (Comparative 2015/2016)										
Response	Herbert Mills*		Summit		Baldwin*		eSTEM		(HS)2*	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Very satisfied	48%	61%	26%	76%	47%	44%	43%	52%	67%	19%
Somewhat satisfied	42%	32%	71%	22%	11%	55%	49%	40%	13%	46%
Not satisfied	7%	4%	1%	1%	40%	1%	7%	5%	3%	8%
Unsure	3%	3%	2%	1%	1%	0%	1%	3%	17%	27%

Table C: The trend across the five schools shows an increase in satisfaction with the STEM program from 2015 to 2016. This trend validates the effectiveness of first year efforts of the five schools in both implementing program design strategies to improve and strengthen the STEM approach to learning, as well as in messaging and presenting demonstration of learning to parents showing positive impacts for students.

Additionally two of three schools registered a slight drop in percentage of parents who said they were “not satisfied” with the STEM program. Parents at Baldwin showed a substantial change, dropping from 40% in 2015 to 1% in 2016. This trend across the five schools validates the effectiveness of the 2015 efforts of each of the schools in both implementing program design strategies to improve and strengthen the STEM approach to learning, as well as in messaging to parents and presenting demonstrations of learning to parents showing positive impacts for students.

Q6 (“How satisfied are you with our ability to meet your child’s individual instructional needs?”) was a new question for four of the five schools (Summit included this question in 2015). Combined responses of “very satisfied” or “somewhat satisfied” was 95% at three of the five schools, with eSTEM at 87% and (HS)² at 79%. This is consistent with 2015 data showing a high percentage of parents generally satisfied with the STEM program overall, and with the approach to meeting individual student needs.

Table D presents thematic analysis of the open-ended responses to Q7 (“What are your hopes for your child as a result of attending a STEM school?”) and shows a breakdown by grade range across the five schools.





TABLE D

Q7: What are your hopes for your child as a result of attending a STEM school?	Number of Buildings* (n=5)
PROGRAM ATTRIBUTES	
Exposure to more opportunities	■ ■ ■ ■ ■
STEM as an educational advantage	■ ■ ■ ■
Differentiated learning	■ ■ ■
Caring and supportive staff	■ ■ ■
Like-minded students	■ ■
NONTRADITIONAL EDUCATION	
Not teaching to the test	■ ■
Nontraditional education	■ ■
PROBLEM BASED LEARNING	
Hands-on learning	■ ■ ■ ■ ■
Gain education in STEM fields	■ ■ ■ ■
Engage in the design process	■ ■ ■ ■
TRANSDISCIPLINARY PROBLEM BASED LEARNING	
Solving real-world problems	■ ■ ■
Integrated STEM	■ ■
STUDENT GROWTH	
Become an engaged learner	■ ■ ■ ■ ■
Become a well-rounded student	■ ■ ■ ■
Develop confidence	■ ■ ■ ■
Students need to be challenged	■ ■ ■ ■
Build leadership skills	■ ■ ■
Develop social skills	■ ■ ■
Build independent learners	■ ■
21ST CENTURY LEARNING SKILLS	
Develop critical thinking skills	■ ■ ■ ■ ■
Develop skills with technology	■ ■ ■ ■ ■
Build math and science skills	■ ■ ■ ■
Learn to work collaboratively	■ ■ ■
Develop communication/presentation skills	■ ■
COLLEGE AND CAREER READINESS	
Prepare for future success	■ ■ ■ ■ ■
College readiness	■ ■ ■ ■ ■
Develop life skills	■ ■ ■ ■ ■
Explore STEM career pathways	■ ■ ■ ■
Earn college credits	■ ■ ■
STEM career preparation	■ ■ ■
Prepare for high school/higher grade levels	■ ■ ■
Prepare for middle school	■ ■
*■Elementary School (ES); ■Middle School (MS); ■High School (HS)	





The 2016 analysis presented in Table D is organized by seven categories identified in thematic analysis of 2015 data that include:

- Program Attributes
- Nontraditional Education
- Problem Based Learning
- Transdisciplinary Problem Based Learning
- Student Growth
- 21st Century Learning Skills
- College and Career Readiness

Within the main seven categories, two new sub-themes emerged in 2016.

"Build independent learners" (Student Growth) was identified by elementary school and middle school parents, and *"Develop life skills"* (College and Career Readiness) was raised across all grade levels at the five schools.

Other sub-themes identified in 2015 gained new grade levels as follows:

- Program Attributes – *"Exposure to more opportunities"* (+1 HS)
- Problem Based Learning – *"Engage in the design process"* (+1 ES)
- Student Growth – *"Develop social skills"* (+1 MS, +1 HS)
- College and Career Readiness – *"Earn College Credits"* (+ 1 MS, + 1 HS) and *"Prepare for middle school"* (+ 1 ES)

Q8 and Q9 (*"What do you like most/like least at [school]?"*) were designed to provide unique lists of school program attributes. However, four categories appeared in all of the five school lists and are presented in the Comparative Report in Appendix D. These include: 1) Project/Activities, 2) Design Thinking, 3) Quality of Instruction, and 4) Schedule. Across these four categories, it should be noted that among their selection of what they liked most, Baldwin parents showed a substantial positive shift in "Quality of Instruction," from 29% in 2015 to 47% in 2016, an increase of 18%.

Q10, asked parents to identify one change they would like to see in the 2016-17 school year. This open-ended question was new to the survey in 2016 and therefore there is no comparative analysis over the two years of survey data. However, this data offers valued input for principals and teachers who will launch year three (2016-17) of efforts to engage parents in attaining important goals for student learning, and can also help to inform messaging by the school to parents focused on strategic changes in the school program that address key issues of concern to parents.





Q11 (“How can you contribute to supporting or enhancing the school’s goals for the coming school year?”) was designed to both gain insight on parent interest in specific school activities and other opportunities for parents to support the school, and also to introduce specific options for parent engagement that they may not know about, or that they may not perceive as being open to parent involvement. Therefore, the specific options listed for parents were tailored to each school and form a unique list of choices and are not presented in comparative view. However, looking at the parent responses as a whole does provide an interesting view of general interest level of parents’ willingness to participate in school activities. **Table E** below shows that across all grade levels, nearly two-thirds of parents say they can contribute in some way to help meet school goals, including attending parent/teacher conferences, participating in parent advisory boards, and attending open house.

TABLE E

Q11*: How can you contribute to supporting or enhancing the school's goals for the coming school year?			
School	Total Survey Response (n)	Number of parents who want to contribute to the school's success	Response Percentage
Herbert Mills	95	63	66%
Summit	218	146	67%
Baldwin	243	167	69%
eSTEM	227	150	66%
(HS)2	65	42	65%

Table E: Nearly two-thirds of parents across all grade levels responded that they want to participate in school activities to support achieving school goals. (*Q12: Herbert Mills)

Q13 (“Where at [school] have you seen your child engage in high quality STEM work?”) shows some variation in parent response over 2015. **Table F** shows that three-fourths of Herbert Mills parents feel strongly about high quality STEM work in school Design Challenges, with a 24% increase in percentage of parents who identified this school activity over 2015 (52% to 76%). Parents also showed an increase of 13% (28% to 41%) of those who view high quality STEM work in association with science classes/projects. **Table F** also shows increases at Baldwin over 2015 in Design Challenge at 9% (35% to 44%), Math at 26% (36% to 62%) and Science at 20% (52% to 72%).





TABLE F

Q13*: Where at [your school] have you seen high quality STEM work? (Comparative 2015/2016)										
Student High Quality STEM Work	Herbert Mills*		Summit		Baldwin*		eSTEM		(HS)2*	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Science	28%	41%	66%	59%	52%	72%	60%	56%	46%	50%
Math	52%	62%	69%	59%	36%	62%	57%	47%	33%	36%
Design Challenge	52%	76%	71%	71%	35%	44%	34%	34%	21%	12%

Table F: In 2016, a higher percentage of parents identified areas where students are doing high quality STEM work, with Herbert Mills and Baldwin showing the strongest gains over 2015. (*Q14 Herbert Mills)

Q14 ("What is the best example of STEM work your student has engaged in at [school]?") was designed as an open-ended question, and is presented in thematic analysis in a table format organized by two categories: 1) Student Growth, and 2) Program Attributes. **Table G** is also designed to show parent views across all grade levels.

Q15 ("Would you recommend [school] to other families?") was asked in the 2015 survey and shows an increase in three of the five schools in 2016. Two schools showed small gains, Herbert Mills (5%) and (HS)² (5%). However, Baldwin showed a substantial increase of 42% over 2015 percentage of parents who say they would recommend their school to other families.

The final group of five questions provides feedback to the school on preferred modes of communication to parents by administrators and teachers. One interesting trend is found in Q20 (Q21 Herbert Mills), showing a dramatic shift away from the 2015 top choices in preference for method of communication (website, newsletter, phone), to 2016 top choices that include text messaging, social media (Facebook, Twitter) and website. This shift may be associated with the district use of social media to support the "#WeRSTEM" K-12 Twitter Campaign that was launched for the first time in 2015-16. This project is more fully discussed in the PROGRAMS section of this report, but should be noted as a factor impacting school culture and trends in communication between the school, students at all grade levels, and their families, introducing innovative visual and written Tweets about STEM learning throughout the school year as a means of engaging parents and raising awareness of school goals for STEM education.





TABLE G

Q14*: What is the best example of STEM work your student has engaged in at their school?	Number of Buildings** (n=5)
STUDENT GROWTH	
Engagement	■ ■ ■ ■
Collaboration	■ ■ ■ ■
Presentation	■ ■ ■
Critical thinking	■ ■ ■
Writing	■ ■ ■
Life skills	■ ■ ■
Imagination/creativity	■ ■ ■
Leadership	■ ■
Research	■ ■
Confidence/independence	■ ■
Perseverance	■
PROGRAM ATTRIBUTES	
Hands-on learning	■ ■ ■ ■ ■
Learn STEM course content	■ ■ ■ ■ ■
Use of technology	■ ■ ■ ■
STEM extracurricular activities (Coding Club, Robotics, Lego League, etc.)	■ ■ ■ ■
Transdisciplinary	■ ■ ■
Inspiring teacher	■ ■ ■
Design cycle	■ ■ ■
Solving real-world problems	■ ■
Outdoor learning	■ ■
Insight to career pathways	■
Internships	■
College prep/college credits	■
Core values/habits	■
** ■ Elementary School (ES); ■ Middle School (MS); ■ High School (HS)	

Table G: Parents listed nearly 300 specific projects, design challenges, and classes in response to this survey question. This table presents survey responses organized into two groups: first, benefits of a STEM learning environment for "Student Growth"; and second, programmatic aspects that support exemplar STEM work. (*Q15 Herbert Mills)





The Role of ReynSTEM Parents in Successful Student Learning

Parent perspectives about the student learning experience within the ReynSTEM K-12 system have been documented during two succeeding years (2014-15 and 2015-16) as part of the overall effort to create a robust plan for strengthening the STEM programs at the elementary, middle and high school levels. In this effort, administrators within the district and individual schools share common goals for improving parent engagement, increasing parent awareness and understanding of STEM learning, and gaining parent support at every grade level for achieving student success.

Conducting the parent survey to provide particular data demonstrating measured change over time is a bold action that in itself conveys to parents that administrators and teachers share parent aspirations for attaining a high quality of education experienced by students in STEM schools. It also puts into action a process that signals these efforts should and can be a shared enterprise in which families can engage to help create a culture of student learning that extends beyond the classroom.

Educating parents about school expectations of students in a STEM program involves a range of particular aspects of STEM learning. This includes helping parents to understand the value of the design cycle and transdisciplinary problem based learning that are core elements of the STEM program that engage students in a process of collaborative exploration, discovery, and personal accountability. Parent understanding of the benefits for students becoming risk takers, and navigating as independent learners may also present significant challenges for parents who have little experience with this approach to learning. Indeed, increased use of technology in the classroom can also be cause for concern by parents who have little familiarity with technology as a critical learning tool in a STEM blended learning environment. Focus on authentic, real-world applications in attaining mastery and gaining meaningful learning experiences through problem solving offers skill development for students that will carry forward into careers and adult life.

Finally, in framing survey questions for parents to gain insight not only on what they think is going well in the school program, but also to measure changes in perspective about areas that are problematic, signals to parents that their voice matters. As administrators and teachers progress with efforts to build new program components and instructional practices aligned to transdisciplinary problem based learning, opportunities will also open up for establishing new relationships with administrators





and teachers as parents become better informed about STEM education and the benefits for students.

In looking at the overall trend in parent views from 2015 to 2016, it is very apparent that each of the ReynSTEM schools has made strides in building better parent relations through responsive actions, including distinctive messaging and communication with parents. Opening the schools to parents in new ways, and providing support and training for teachers to connect with parents more directly and more frequently about the school and its goals for student learning are also components of the strategic changes that district and school administrators are implementing at the ReynSTEM schools.

The survey findings also provide demonstration of the particular ways each of the schools is impacting parent awareness, and providing opportunities for parents of STEM students to more fully participate in their child's learning process no matter what grade level. Gaining parent input through the two-year series of surveys also conveys the message that change is underway, but more importantly, that more *should* and *can* occur moving into the future, and underscores the significant role of parents in assuring the success of these efforts for ReynSTEM students.





Knowledge Capture APPENDIX ReynSTEM 2015-2016 Parent Survey Report

Appendix A:

ReynSTEM 2016 Survey Questions

Table A-1: RCS Parent Survey Questions by School
ReynSTEM Parent Survey Questions by School

Appendix B:

ReynSTEM 2016 Parent Survey Individual Reports by School:

Herbert Mills STEM Elementary School

Summit Road STEM Elementary School

Baldwin STEM Middle School

eSTEM High School

(HS)² High School

Appendix C:

Overview by School of Parent Responses of Four Key Dimensions:

- What Does STEM Mean to Parents?
- What Are Parents' Major Frustrations?
- What Are Parents' Aspirations for a STEM Education?
- What Do Parents Like about STEM?

Appendix D:

Introduction to Comparative Analysis

ReynSTEM 2016 Comparative Analysis of Parent Perceptions
About STEM in Five RCS Schools





Appendix A: ReynSTEM 2016 Survey Questions

Table A: 2016 Parent Survey Questions by School

School Surveys

Herbert Mills STEM Elementary School

Summit Road STEM Elementary School

Baldwin STEM Middle

eSTEM High School

(HS)² High School





Appendix A: 2016 Parent Survey Questions

The parent survey questions were developed with review and input from each building administrator, RCS program leads, and the PAST professional development team. The survey was administered via an online secure platform, SurveyMethods.com®, that ensures anonymity for survey respondents.

The total number of survey questions for four schools including Summit Road STEM Elementary School, Baldwin STEM Middle School, eSTEM High School and HS² High School was 20 as shown in Table A. Herbert Mills STEM Elementary had one additional question, for a total of 21 survey questions.

Table A shows in bold font Herbert Mills Q10 that was added to the Herbert Mills survey questions.

Note also that for this final report, all survey data was combined and analyzed as a single dataset for the comparative view of issues across elementary, middle and high school using ATLAS.ti®, a qualitative analytical program that supports textual and visualization tools for analysis of large data sets.

Individual survey reports for each school are presented in Appendix B in this report. The comparative survey analysis report is presented in Appendix D.





Appendix Table A: RCS 2016 Parent Survey Questions by School

Question	Question Number				
	HM	Summit	BSM	eSTEM	HS2
What is your child's grade level?	3	2	2	2	2
Did you choose to send your child to [SCHOOL] because of the STEM program?	2	3	3	3	3
What does "STEM" mean to you?	4	4	4	4	4
How satisfied are you with the STEM program at [SCHOOL]	5	5	5	5	5
How satisfied are you with our ability to meet your child's individual instructional needs?	6	6	6	6	6
What are your hopes for your child as a result of attending a STEM school?	7	7	7	7	7
What are the things you like most about [SCHOOL]? (Check all that apply.)	8	8	8	8	8
What aspects of [SCHOOL] do you like least? (Check all that apply.)	9	9	9	9	9
<i>What are your favorite Blended Learning apps or tools at Herbert Mills? (Check all that apply)*</i>	10	/	/	/	/
If you could ask for one improvement in the next school year, what would it be?	11	10	10	10	10
How can you contribute to supporting or enhancing the school's goals for the coming school year?	12	11	11	11	11
I feel strongly about my child having the following at [SCHOOL] (Check all that apply)	13	12	12	12	12
Where at [SCHOOL] have you seen your students engage in high-quality STEM work? (Check all that apply.)	14	13	13	13	13
What is the best example of STEM work your student has engaged in at [SCHOOL]?	15	14	14	14	14
Would you recommend [SCHOOL] to other families?	16	15	15	15	15
Is there feedback you would like to share with the school administrators about your child's experience at [SCHOOL]?	17	16	16	16	16
Do you feel that your child's teachers communicate with you on regular basis regarding what is happening in their classes?	18	17	17	17	17
If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?	19	18	18	18	18
Do you feel that Administrative staff at [SCHOOL] communicates with you on a regular basis regarding what is happening at the school?	20	19	19	19	19
What is your preference for communication from the school administrators? (Check all that apply.)	21	20	20	20	20
<i>*Question in italic bold was included in the Herbert Mills parent survey only.</i>					





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access through education

2016 ReynSTEM Parent Survey: Herbert Mills

- * 1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rs-stem-school-dd/>).

☐ I agree to participate in this anonymous survey





2. **Did you choose to send your child to Herbert Mills because of the STEM program?**

☐ Yes ☐ No

3. **What is your child's grade level? If more than one child is enrolled in Herbert Mills, please select all that apply.**

☐ Kindergarten

☐ 1st Grade

☐ 2nd Grade

☐ 3rd Grade

☐ 4th Grade

4. **What does "STEM" mean to you?**

5. **How satisfied are you with the STEM program at Herbert Mills?**

☐ Very satisfied

☐ Somewhat satisfied

☐ Not satisfied

☐ Unsure

6. **How satisfied are you with our ability to meet your child's individual educational needs?**

☐ Very satisfied

☐ Somewhat satisfied

☐ Not satisfied

☐ Unsure

7. **What are your hopes for your child as a result of attending a STEM school?**

8. **What are the things you like most about Herbert Mills? (Please check all that apply.)**

☐ Quality of instruction

☐ Real world problems

☐ Projects/Activities

☐ Teacher/Classroom support

☐ Schedule

☐ Integration Stations

☐ Chinese/Foreign Language

☐ After school clubs





- ☐ Morning Roar
- ☐ Techie Club
- ☐ Young Gents
- ☐ Code Week/Computer Science Week
- ☐ Carnival Night/Cardboard Design Challenge
- ☐ Literacy/ST Math/Concert Night
- ☐ Hot Diggity Dog Night
- ☐ Design thinking
- ☐ If other, please describe

9. **What aspects of Herbert Mills do you like least? (Please check all that apply.)**

- ☐ Quality of instruction
- ☐ Real world problems
- ☐ Projects/Activities
- ☐ Teacher/Classroom support
- ☐ Schedule
- ☐ Integration Stations
- ☐ Chinese/Foreign Language
- ☐ After school clubs
- ☐ Morning Roar
- ☐ Techie Club
- ☐ Young Gents
- ☐ Code Week/Computer Science Week
- ☐ Carnival Night/Cardboard Design Challenge
- ☐ Literacy/ST Math/Concert Night
- ☐ Hot Diggity Dog Night
- ☐ Design thinking
- ☐ If other, please describe

10. **What are your favorite Blended Learning apps or tools at Herbert Mills? (Please check all that apply.)**

- ☐ ST Math
- ☐ Achieve 3000
- ☐ Google Classroom
- ☐ Lexia
- ☐ AR
- ☐ IFL
- ☐ Code.org
- ☐ If other, please specify

11. **If you could ask for one improvement in the next school year, what would it be?**





12. **How can you contribute to supporting or enhancing the school's goals for the coming school year?**

- ☐ Parent-Teacher Conferences
- ☐ Parent Open House
- ☐ STEM Night
- ☐ Field trips
- ☐ Mentoring
- ☐ If other, please describe

13. **I feel strongly about my child having the following at Herbert Mills (please check all that apply):**

- ☐ Music
- ☐ Robotics
- ☐ Chinese/Foreign Language
- ☐ Physical Education
- ☐ Outdoor experiences
- ☐ Library
- ☐ If other, please describe

14. **Where at Herbert Mills have you seen your students engage in high-quality STEM work? (Please check all that apply.)**

- ☐ Science
- ☐ Math
- ☐ Language Arts
- ☐ Social Studies
- ☐ Design Challenges
- ☐ Learning to apply "Habits of Mind"
- ☐ Integration Stations
- ☐ ICE Lab
- ☐ If other, please describe

15. **What is the best example of STEM work your student has engaged in at Herbert Mills?**

16. **Would you recommend Herbert Mills to other families?**





☐ Yes ☐ No

17. **Is there any feedback you would like to share with the school administrators about your child's experience at Herbert Mills?**





18. **Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

19. **If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?**

- ☐ Daily
- ☐ Weekly
- ☐ Bi-weekly
- ☐ Monthly
- ☐ If other, please describe

20. **Do you feel that the Administrative staff at Herbert Mills communicates with you on a regular basis regarding what is happening at the school?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

21. **What is your preference for communication from the school administrators? (Please check all that apply.)**

- ☐ Text messages
- ☐ School website
- ☐ Weekly Instant Connect
- ☐ Facebook
- ☐ Twitter
- ☐ Town Hall Meetings
- ☐ PTO
- ☐ Office hours
- ☐ If other, please describe





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2016 ReynSTEM Parent Survey: Summit

- * 1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rs-stem-school-dd/>).

☐ I agree to participate in this anonymous survey





2. **What is your child's grade level? If more than one child is enrolled in Summit, please select all that apply.**

- ☐ Kindergarten
- ☐ 1st Grade
- ☐ 2nd Grade
- ☐ 3rd Grade
- ☐ 4th Grade

3. **Did you choose to send your child to Summit STEM because of the STEM program?**

- ☐ Yes ☐ No

4. **What does "STEM" mean to you?**

5. **How satisfied are you with the STEM program at Summit STEM?**

- ☐ Very satisfied
- ☐ Somewhat satisfied
- ☐ Not satisfied
- ☐ Unsure

6. **How satisfied are you with our ability to meet your child's individual educational needs?**

- ☐ Very satisfied
- ☐ Somewhat satisfied
- ☐ Not satisfied
- ☐ Unsure

7. **What are your hopes for your child as a result of attending a STEM school?**

8. **What are the things you like most about Summit STEM? (Please check all that apply.)**

- ☐ Quality of classroom instruction
- ☐ Design thinking
- ☐ Use of 21st century skills (collaboration, communication, problem solving, etc.)
- ☐ Enrichment/Intervention
- ☐ Projects/Activities
- ☐ Blended learning/technology
- ☐ Schedule
- ☐ Field trips





- ☐ Morning Spark
- ☐ Exemplary Board Recognition
- ☐ Use of outdoor learning spaces (wetlands, courtyard, paths, etc.)
- ☐ Innovation Station
- ☐ Library Museum
- ☐ Health and Wellness
- ☐ Chinese
- ☐ Dramatic Inquiry
- ☐ Music
- ☐ Techie Club/Camp
- ☐ 3rd Grade Robotics
- ☐ 4th Grade Jr. FLL Robotics
- ☐ 2nd Grade Coding Club
- ☐ STEMbot Readers
- ☐ Character Council
- ☐ If other, please describe

9. **What aspects of Summit STEM do you like least? (Please check all that apply.)**

- ☐ Quality of classroom instruction
- ☐ Design thinking
- ☐ Use of 21st century skills (collaboration, communication, problem solving, etc.)
- ☐ Enrichment/Intervention
- ☐ Projects/Activities
- ☐ Blended learning/technology
- ☐ Schedule
- ☐ Field trips
- ☐ Morning Spark
- ☐ Exemplary Board Recognition
- ☐ Use of outdoor learning spaces (wetlands, courtyard, paths, etc.)
- ☐ Innovation Station
- ☐ Library Museum
- ☐ Health and Wellness
- ☐ Chinese
- ☐ Dramatic Inquiry
- ☐ Music
- ☐ Techie Club/Camp
- ☐ 3rd Grade Robotics
- ☐ 4th Grade Jr. FLL Robotics
- ☐ 2nd Grade Coding Club
- ☐ STEMbot Readers
- ☐ Character Council
- ☐ If other, please describe

10. **If you could ask for one improvement in the next school year, what would it be?**





11. How can you contribute to supporting or enhancing the school's goals for the coming school year?

- ☐ Career Day
- ☐ Field trip chaperone
- ☐ Student mentoring
- ☐ STEM Night presenter
- ☐ PTO engagement
- ☐ Classroom volunteer
- ☐ After-school club volunteer
- ☐ 4th Grade camp chaperone
- ☐ If other, please describe

12. I feel strongly about my child having the following at Summit STEM (please check all that apply):

- ☐ Music
- ☐ Innovation Station
- ☐ Chinese/Foreign Language
- ☐ Physical Education
- ☐ Outdoor experiences (Wetlands)
- ☐ Content-related field trips
- ☐ Library
- ☐ Dramatic Inquiry
- ☐ Design thinking
- ☐ Morning Spark
- ☐ Intervention/Enrichment opportunities
- ☐ 21st century skill instruction
- ☐ Blended learning/technology
- ☐ 4th Grade camp
- ☐ If other, please describe

13. Where at Summit STEM have you seen your students engage in high-quality STEM work? (Please check all that apply.)

- ☐ Science
- ☐ Math
- ☐ Language Arts
- ☐ Social Studies
- ☐ Design Challenges
- ☐ Learning to apply "Habits of Mind"
- ☐ Innovation Station
- ☐ Wetlands





- ☐ Courtyard
- ☐ STEM Night
- ☐ Family Art Night
- ☐ Robotics Club
- ☐ Library Museum
- ☐ Morning Spark
- ☐ Dramatic Inquiry
- ☐ Specials
- ☐ Foundational Learning Time
- ☐ Fusion Learning Time
- ☐ If other, please describe

14. **What is the best example of STEM work your student has engaged in at Summit STEM?**

15. **Would you recommend Summit STEM to other families?**

☐ Yes ☐ No

16. **Is there any feedback you would like to share with the school administrators about your child's experience at Summit STEM?**





17. **Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

18. **If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?**

- ☐ Daily
- ☐ Weekly
- ☐ Bi-weekly
- ☐ Monthly
- ☐ If other, please describe

19. **Do you feel that the Administrative staff at Summit STEM communicates with you on a regular basis regarding what is happening at the school?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

20. **What is your preference for communication from the school administrators? (Please check all that apply.)**

- ☐ Text messages
- ☐ School website
- ☐ Weekly Tuesday email
- ☐ Morning Spark
- ☐ Facebook
- ☐ Twitter
- ☐ Evening meetings
- ☐ Office hours
- ☐ Parent Informational Meetings
- ☐ "One Call" phone/email messages
- ☐ If other, please describe





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2016 ReynSTEM Parent Survey: Baldwin

- * 1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rs-stem-school-dd/>).

☐ I agree to participate in this anonymous survey





2. **What is your child's grade level? If more than one child is enrolled in STEM Middle @Baldwin Road Junior High, please check all that apply.**

- ☐ 5th Grade
☐ 6th Grade
☐ 7th Grade
☐ 8th Grade

3. **Did you choose to send your child to STEM Middle @Baldwin Road Junior High because of the STEM program?**

- ☐ Yes ☐ No

4. **What does "STEM" mean to you?**

5. **How satisfied are you with the STEM program at STEM Middle @Baldwin Road Junior High?**

- ☐ Very satisfied
☐ Somewhat satisfied
☐ Not satisfied
☐ Unsure

6. **How satisfied are you with our ability to meet your child's individual educational needs?**

- ☐ Very satisfied
☐ Somewhat satisfied
☐ Not satisfied
☐ Unsure

7. **What are your hopes for your child as a result of attending a STEM school?**

8. **What are the things you like most about STEM Middle @Baldwin Road Junior High? (Please check all that apply.)**

- ☐ Quality of instruction
☐ Real world problems
☐ Art of Math
☐ Design
☐ Robotics "Project Lead the Way"
☐ Chinese
☐ Tech Corp
☐ Projects/Activities





- ☐ Teacher/Classroom support
- ☐ Schedule
- ☐ Design thinking
- ☐ STEM Fest
- ☐ Gallery Hop
- ☐ Spring Fling
- ☐ If other, please describe

9. What aspects of STEM Middle @Baldwin Road Junior High do you like least? (Please check all that apply.)

- ☐ Quality of instruction
- ☐ Real world problems
- ☐ Art of Math
- ☐ Design
- ☐ Robotics "Project Lead the Way"
- ☐ Chinese
- ☐ Tech Corp
- ☐ Projects/Activities
- ☐ Teacher/Classroom support
- ☐ Schedule
- ☐ Design thinking
- ☐ STEM Fest
- ☐ Gallery Hop
- ☐ Spring Fling
- ☐ If other, please describe

10. If you could ask for one improvement in the next school year, what would it be?

11. How can you contribute to supporting or enhancing the school's goals for the coming school year?

- ☐ Parent-Teacher Conferences
- ☐ Curriculum Night
- ☐ Student Showcase
- ☐ PTO
- ☐ Watch Dog Dads
- ☐ PAWS (Parents Active with STEM)
- ☐ Field trips
- ☐ Mentoring
- ☐ If other, please describe





12. **I feel strongly about my child having the following at STEM Middle @Baldwin Road Junior High (please check all that apply):**

- ☐ Music
- ☐ Robotics and Design
- ☐ Chinese/Foreign Language
- ☐ Physical Education
- ☐ Outdoor experiences in the SOIL Lab
- ☐ Art of Math and maker experiences in the Foundry
- ☐ Computer Science
- ☐ If other, please describe

13. **Where at STEM Middle @Baldwin Road Junior High have you seen your students engage in high-quality STEM work? (Please check all that apply.)**

- ☐ Science
- ☐ Math
- ☐ Language Arts
- ☐ Social Studies
- ☐ Electives
- ☐ Design Challenges
- ☐ Learning to apply "Habits of Mind"
- ☐ Advisory "Genius Hour"
- ☐ Presenting projects at STEM Fest, Gallery Hop, and/or Spring Fling
- ☐ If other, please describe

14. **What is the best example of STEM work your student has engaged in at STEM Middle @Baldwin Road Junior High?**

15. **Would you recommend STEM Middle @Baldwin Road Junior High to other families?**

☐ Yes ☐ No

16. **Is there any feedback you would like to share with the school administrators about your child's experience at STEM Middle @Baldwin Road Junior High?**





17. **Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

18. **If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?**

- ☐ Daily
- ☐ Weekly
- ☐ Bi-weekly
- ☐ Monthly
- ☐ If other, please describe

19. **Do you feel that the Administrative staff at STEM Middle @Baldwin Road Junior High with you on a regular basis regarding what is happening at the school?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

20. **What is your preference for communication from the school administrators? (Please check all that apply.)**

- ☐ Text messages
- ☐ School website
- ☐ Weekly "Newsblast"
- ☐ Facebook
- ☐ Twitter
- ☐ Town Hall Meetings
- ☐ Evening meetings
- ☐ Office hours
- ☐ If other, please describe





2016 ReynSTEM Parent Survey: eSTEM

- * 1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rs-stem-school-dd/>).

☐ I agree to participate in this anonymous survey





2. **What is your child's grade level? If more than one child is enrolled in eSTEM, please select all that apply.**

- ☐ 9th Grade
- ☐ 10th Grade
- ☐ 11th Grade
- ☐ 12th Grade

3. **Did you choose to send your child to eSTEM because of the STEM program?**

- ☐ Yes
- ☐ No

4. **What does "STEM" mean to you?**

5. **How satisfied are you with the STEM program at eSTEM?**

- ☐ Very satisfied
- ☐ Somewhat satisfied
- ☐ Not satisfied
- ☐ Unsure

6. **How satisfied are you with our ability to meet your child's individual educational needs?**

- ☐ Very satisfied
- ☐ Somewhat satisfied
- ☐ Not satisfied
- ☐ Unsure

7. **What are your hopes for your child as a result of attending a STEM school?**

8. **What are the things you like most about eSTEM? (Please check all that apply.)**

- ☐ Quality of instruction
- ☐ Real world problems
- ☐ Course offerings
- ☐ Projects/Activities
- ☐ Teacher/Classroom support
- ☐ Double-blocking
- ☐ Design thinking
- ☐ Early College
- ☐ Pathways





☐ If other, please describe

9. What aspects of eSTEM do you like least? (Please check all that apply.)

- ☐ Quality of instruction
- ☐ Real world problems
- ☐ Course offerings
- ☐ Projects/Activities
- ☐ Teacher/Classroom support
- ☐ Double-blocking
- ☐ Design thinking
- ☐ Early College
- ☐ Pathways
- ☐ If other, please describe

10. If you could ask for one improvement in the next school year, what would it be?

11. How can you contribute to supporting or enhancing the school's goals for the coming school year?

- ☐ Parent-Teacher conferences
- ☐ Parent Open House
- ☐ Mentoring
- ☐ Working with student interns
- ☐ Attending Parent Advisory Board meetings
- ☐ If other, please describe

12. I feel strongly about my child having the following at eSTEM (please check all that apply):

- ☐ Music
- ☐ Robotics
- ☐ Chinese/Foreign Language
- ☐ Physical Education
- ☐ Outdoor experiences
- ☐ Theater
- ☐ Internships/Capstone
- ☐ Early College courses
- ☐ If other, please describe





13. **Where at eSTEM have you seen your students engage in high-quality STEM work? (Please check all that apply.)**

- ☐ Science
- ☐ Math
- ☐ Language Arts
- ☐ Social Studies
- ☐ Electives
- ☐ Design Challenges
- ☐ Learning to apply "Habits of Mind"
- ☐ Internships/Capstones
- ☐ Early College courses
- ☐ If other, please describe

14. **What is the best example of STEM work your student has engaged in at eSTEM?**

15. **Would you recommend eSTEM to other families?**

☐ Yes ☐ No

16. **Is there any feedback you would like to share with the school administrators about your child's experience at eSTEM?**





17. **Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

18. **If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?**

- ☐ Daily
- ☐ Weekly
- ☐ Bi-weekly
- ☐ Monthly
- ☐ If other, please describe

19. **Do you feel that the Administrative staff at eSTEM communicates with you on a regular basis regarding what is happening at the school?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

20. **What is your preference for communication from the school administrators? (Please check all that apply.)**

- ☐ Text messages
- ☐ School website
- ☐ Weekly "Newsblast"
- ☐ Facebook
- ☐ Twitter
- ☐ Town Hall meetings
- ☐ Evening meetings
- ☐ Office hours
- ☐ "One Call" phone/email messages
- ☐ If other, please describe





2016 ReynSTEM Parent Survey: HS(2)

- * 1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rs-stem-school-dd/>).

☐ I agree to participate in this anonymous survey





2. **What is your child's grade level? If more than one child is enrolled in (HS)2, please select all that apply.**

- ☐ 9th Grade
- ☐ 10th Grade
- ☐ 11th Grade
- ☐ 12th Grade

3. **Did you choose to send your child to (HS)2 because of the STEM program?**

- ☐ Yes ☐ No

4. **What does "STEM" mean to you?**

5. **How satisfied are you with the STEM program at (HS)2?**

- ☐ Very satisfied
- ☐ Somewhat satisfied
- ☐ Not satisfied
- ☐ Unsure

6. **How satisfied are you with our ability to meet your child's individual educational needs?**

- ☐ Very satisfied
- ☐ Somewhat satisfied
- ☐ Not satisfied
- ☐ Unsure

7. **What are your hopes for your child as a result of attending a STEM school?**

8. **What are the things you like most about (HS)2? (Please check all that apply.)**

- ☐ Quality of instruction
- ☐ Real world problems
- ☐ Course offerings
- ☐ Projects/Activities
- ☐ Teacher/Classroom support
- ☐ Schedule
- ☐ Design thinking
- ☐ If other, please describe





9. **What aspects of (HS)2 do you like least? (Please check all that apply.)**

- ☐ Quality of instruction
- ☐ Real world problems
- ☐ Course offerings
- ☐ Projects/Activities
- ☐ Teacher/Classroom support
- ☐ Schedule
- ☐ Design thinking
- ☐ If other, please describe

10. **If you could ask for one improvement in the next school year, what would it be?**

11. **How can you contribute to supporting or enhancing the school's goals for the coming school year?**

- ☐ Parent-Teacher Conferences
- ☐ Parent Open House
- ☐ STEM Night
- ☐ Field trips
- ☐ Mentoring
- ☐ Parent Advisory Board
- ☐ If other, please describe

12. **I feel strongly about my child having the following at (HS)2 (please check all that apply):**

- ☐ Music
- ☐ Art
- ☐ STEM Design
- ☐ Computer Science
- ☐ Foreign Language
- ☐ Physical Education
- ☐ Health
- ☐ BODIES Program
- ☐ Student-led Health Fair
- ☐ Observing live knee-replacement surgery
- ☐ Observing autopsy
- ☐ Exposure to health professions through Lunch & Learns
- ☐ College courses
- ☐ Career Pathways
- ☐ If other, please describe





13. **Where at (HS)2 have you seen your students engage in high-quality STEM work? (Please check all that apply.)**

- ☐ Science
- ☐ Math
- ☐ Language Arts
- ☐ Social Studies
- ☐ Electives
- ☐ Design Challenges
- ☐ Learning to apply "Habits of Mind"
- ☐ Internships/Capstones
- ☐ If other, please describe

14. **What is the best example of STEM work your student has engaged in at (HS)2?**

15. **Would you recommend (HS)2 to other families?**

☐ Yes ☐ No

16. **Is there any feedback you would like to share with the school administrators about your child's experience at (HS) 2?**





17. **Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

18. **If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?**

- ☐ Daily
- ☐ Weekly
- ☐ Bi-weekly
- ☐ Monthly
- ☐ If other, please describe

19. **Do you feel that the Administrative staff at (HS)2 communicates with you on a regular basis regarding what is happening at the school?**

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

20. **What is your preference for communication from the school administrators? (Please check all that apply.)**

- ☐ Text messages
- ☐ School website
- ☐ Facebook
- ☐ Twitter
- ☐ Town Hall Meetings
- ☐ Evening meetings
- ☐ Office hours
- ☐ "One Call" phone/email messages
- ☐ If other, please describe





Appendix B: ReynSTEM 2016 Parent Survey Reports

Herbert Mills STEM Elementary School
Summit Road STEM Elementary School
Baldwin STEM Middle School
eSTEM High School
(HS)² High School





Reynoldsburg City Schools [RCS] Herbert Mills 2016 Parent Survey Report

This report provides a preliminary look at the survey responses for the ReynSTEM Herbert Mills 2016 Parent Survey.

The document presents bar charts for survey responses for Qs 1-3, 5-6, 8-10, 12-14, and 16. Questions that provided the option for respondents to add an open-ended “if other” comment are presented as submitted. Responses to open-ended questions (Qs 4, 7, 11, 15, and 17) are also presented in this document as submitted.

Thematic analysis of open-ended questions (Qs 4, 7, 11, 15, and 17) and open-ended “if other” comments will be presented in a second document to be issued as a follow-up to this report.

SURVEY PROTOCOL

The survey was drafted on January 20, 2016 and circulated for review and revision. The final version was completed on February 3, and Herbert Mills launched the survey on Thursday, February 4, 2016. The survey remained open until Friday, March 11, 2016. The survey was administered via a secure web-based platform (SurveyMethods®) designed for conducting a confidential and anonymous survey.

The survey had 95 total respondents, with a total of 76 individuals who completed the survey. Note: 17 respondents completed *only* Q1, “Agreement to Participate,” but did not respond to other questions within the survey.

SUMMARY OF SURVEY QUESTIONS AND ISSUES

Q3 is a profile question.

Q4 asked parents to define what STEM means to them in an open-ended format.

Q2, Qs 5-11 and 16 are questions regarding parent’s views on Herbert Mills as a STEM school. Parents were asked to indicate their choice for a STEM school, level of satisfaction with the STEM program, their hopes for their child, what they like most and least about the school, what their favorite Blended Learning apps or tools are at Herbert Mills, and where they would like to see improvement. Parents were given a set of responses to choose from, including the choice of “other” with the option of providing an open-ended written response for Qs 8-10. Q7 (hopes) and Q11 (improvements) allowed for open-ended responses, and Q16 asked if parents would recommend Herbert Mills to other families.

Q12 asked parents to reflect on how they can contribute to support or enhance the school’s goals for the coming school year and included an open-ended response.





Qs 13-15 and 17 asked parents specific questions about STEM education at Herbert Mills. Q13 invited parents to identify what courses, clubs, or opportunities they felt strongly about their child having at the school and included an open-ended response. Q14 invited parents to identify where they have seen their child engage in high quality STEM work at Herbert Mills and included an open-ended response. Q15 was an open-ended question asking parents to describe specific examples of their child's engagement with STEM at Herbert Mills. Q17 allowed parents to share additional observations about their experience as a parent, or about their child's experience at Herbert Mills.

Qs 18-21 addressed communication with parents from teachers and school administration. Q18-19 asked about current communication from their child's teachers. Q20 asked about current communication from school administration, and Q21 asked for preferred methods of communication from school administration including an open-ended response option.





Knowledge Capture 2016 ReynSTEM Parent Survey: Herbert Mills

1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rs-stem-school-dd/>).

	Responses	Percent
I agree to participate in this anonymous survey:	95	100%
Total Responded to this question:	95	100%
Total who skipped this question:	0	0%
Total:	95	100%

2. Did you choose to send your child to Herbert Mills because of the STEM program?






	Responses	Percent
Yes:	63	81.82%
No:	14	18.18%
Total Responded to this question:	77	81.05%
Total who skipped this question:	18	18.95%
Total:	95	100%





Knowledge Capture

3. What is your child's grade level? If more than one child is enrolled in Herbert Mills, please select all that apply.

	Responses	Percent
Kindergarten: 	6	7.79%
1st Grade: 	20	25.97%
2nd Grade: 	28	36.36%
3rd Grade: 	17	22.08%
4th Grade: 	18	23.38%
Total Responded to this question:	77	81.05%
Total who skipped this question:	18	18.95%
Total:	95	100%

4. What does "STEM" mean to you?

	Responses	Percent
Total Responded to this question:	68	71.58%
Total who skipped this question:	27	28.42%
Total:	95	100%

Response Response Text

- 1 An education with more emphasis on more technical skills, leading students towards into a technical secondary/post secondary education.
- 2 A well-balanced curriculum with a focus on science, technology, engineering and math, especially as they apply to many aspects of everyday life.
- 3 I joke that's it's a nerd school but my son is getting a quality education that is not conventional. It challenges him to see things in many different perspectives.
- 4 Education centered on science, technology, engineering and math.
- 5 Science, technology, engineering, math.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 6 In my opinion, "STEM," means using science, technology, engineering and math in all aspects of learning. For example, using STEM to enhance and supplement the general curriculum taught in English Language Arts, Math, Science, Social Studies, music, art and physical education. Technology should not dominate instruction or replace the role of classroom teachers. Students in K-4 STEM buildings should have opportunities to learn spelling, cursive writing, note-taking skills, study habits and time management skills, which will carry them forward in middle school. At [school], most students do not have textbooks. Worksheets are used in class and often sent home for homework. Parents receive very little information on how material is taught, covered in class or presented to students in quizzes or tests. STEM means using different types of communication to inform, describe, explain and share information. STEM means identifying problems, exploring ideas and data and creating alternative solutions. I think students should receive grades for their work in the innovation class ICE Lab. The ICE Lab is designated as a "special" in a STEM building. Perhaps the time spent in the ICE Lab could be used to apply STEM concepts to subject matter students are working on in core classes and it could appear as a course of study on student report cards.
- 7 Science Technology Engineering and Math. (Innovation)
- 8 Learning through a hands-on, design-thinking lens.
- 9 Science, technology, engineering, and math.
- 10 "STEM", to me means that my child will work more hands on. Also, my child will learn in an advanced way: more reading, more math, and more comprehensive learning.
- 11 Math and technology guided learning.
- 12 It has brought good things to my kids. They have come a long way.
- 13 An emphasis on Science, Technology, Engineering, and Math. Though I was told the program at [school] would have an emphasis on Social Studies and Culture.
- 14 Science, technology, engineering, and math.
- 15 Focus on Science, Technology, and Math.
- 16 A learning environment growing with the technological times. It's a fantastic opportunity for my student who thrives for education, math, science and engineering.
- 17 Using a more innovative way to learning.
- 18 Science, technology, engineering, and math.
- 19 An education that goes above and beyond the typical curriculum.
- 20 More hands on.
- 21 Science, technology, engineering, and mathematics.
- 22 Science, technology, engineering, and math. The key essentials my child needs in life to succeed.
- 23 Focus on science, technology, engineering, and mathematics.
- 24 Exposing children to more real world experiences while engaging them through hands on activities and projects. Providing a more rigorous curriculum.
- 25 Hands on work, technology, less memorization more real world experiences.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 26 Focused on science. Science, Technology, Engineering, and Math.
- 27 Technology.
- 28 Science, technology, engineering, and mathematics.
- 29 Science and technology.
- 30 STEM is a science, technology, engineering, and math focused model of education designed to improve student's critical thinking and problem solving skills early on.
- 31 It goes beyond the acronym. My child has the opportunity for self-paced learning using different creative and thinking skills.
- 32 A higher end of learning above and beyond a regular classroom.
- 33 Advanced learning.
- 34 Science, technology, engineering, math. (But I like STEAM - adding arts to the mix.)
- 35 A chance for my child to learn with hands on real work applicable experiences. With Science, Tech, Engineering, and Math.
- 36 Science, technology, engineering, and math. Awesome programs! Fun ways of learning.
- 37 Bringing science, tech, and math together with free space-time and arts to bring the learning experience together.
- 38 Utilizing key learning and applying it to everyday functions.
- 39 Science and technology.
- 40 Science, engineering, technology, and math.
- 41 Science.
- 42 Science, technology, engineering, and math. Hands on learning focus on doing.
- 43 Science, technology, education, and math.
- 44 HANDS ON LEARNING.
- 45 Science, Technology, Engineering, and Math.
- 46 STEM is a program specializing in helping our children grow with using their minds.
- 47 Science, technology, engineering, and math.
- 48 Different approach to learning science and math.
- 49 Science, technology, engineering, and mathematics.
- 50 Science, Technology, Engineering, and Mathematics.
- 51 Scientific thinking and engineering.
- 52 Everything! This school has been a dream come true.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 53 Science based learning. Hands on activities.
- 54 Exploring the fundamental of core and challenging the way we learn and hunk.
- 55 Hands on learning.
- 56 Innovative instruction that includes science, math, technology, and engineering. It s a blended learning model going across genres to encourage critical thinking and innovation in learning. I love the global opportunity that stem presents to my children to be capable to compete with all in the field of education.
- 57 Science, technology, engineering, and mathematics.
- 58 Hands on learning.
- 59 STEM is a curriculum that integrates technology with the everyday basic curriculum.
- 60 Specialized education in science, technology and math.
- 61 More hands on work and technology learning.
- 62 Better future for the kids.
- 63 Science, technology, engineering, and math.
- 64 Ready for the future world.
- 65 A focus on sciences and technology.
- 66 What STEM means to me is Science Technology Engineering and Math. A curriculum tailored made for your child to their academic learning capabilities.
- 67 They are learning hands on, thinking outside the box. I love that they can teach me new things.
- 68 Learning about technology and job advancements.




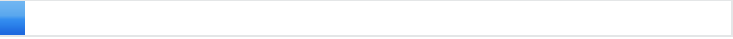
5. How satisfied are you with the STEM program at Herbert Mills?

	Responses	Percent
Very satisfied:	46	61.33%
Somewhat satisfied:	24	32%
Not satisfied:	3	4%
Unsure:	2	2.67%
Total Responded to this question:	75	78.95%
Total who skipped this question:	20	21.05%
Total:	95	100%





6. How satisfied are you with our ability to meet your child's individual educational needs?

	Responses	Percent
Very satisfied: 	44	57.89%
Somewhat satisfied: 	28	36.84%
Not satisfied: 	2	2.63%
Unsure: 	2	2.63%
Total Responded to this question:	76	80%
Total who skipped this question:	19	20%
Total:	95	100%

7. What are your hopes for your child as a result of attending a STEM school?

	Responses	Percent
Total Responded to this question:	65	68.42%
Total who skipped this question:	30	31.58%
Total:	95	100%

Response Response Text

- I hope my children will be able to excel in a technology based secondary education.
- I hope her interest in, and enthusiasm for science will continue to grow as she advances beyond kindergarten. I hope she will be comfortable with math concepts and not hate or fear math as it becomes more complex.
- This is his first year here and the improvements since day one have been amazing. My hopes are that he continues to grow and develop.
- I hope for my child to be in a setting that challenges him in his learning - with information that is interesting to him, and facilitation that is not specifically geared towards standardized tests.
- We did not choose [school] because it is a stem school. It is our neighborhood school.
- I hope that my children are prepared for the challenges that lie ahead. I hope that they have a smooth transition to their next school. I hope that the extracurricular activities they receive after school and on weekends makes up for some of the critical pieces missing from their daily instruction.
- Preparation to attend STEM Middle School.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 8 I hope that my child learns to appreciate differences in cultures and communities and gains confidence through the design process.
- 9 Learns good reading habits. And learns how to strategize.
- 10 More specialized learning to ensure my child is prepared for future.
- 11 I hope the can attend next year.
- 12 I no longer have hopes. This program has not met my expectations.
- 13 Better education.
- 14 We have 4th grade twins. Twins 1 is very bright and inquisitive - we hope to keep him challenged enough to continue to love learning. Twin 2 is very bright but struggles with leaning disabilities - she is thriving in this environment.
- 15 Building a foundation for a strong future.
- 16 Not to just show up to school everyday but to really obtain what is taught everyday. I live the excitement in her and how intrigued she is by what is being taught. I am pleased with her benchmark test scores and it proves that this program is a success for her.
- 17 To increase their self-esteem level in learning and find education more hands on.
- 18 Have more advancement opportunities, better opportunity for one on one and to be prepared for classes in higher grades.
- 19 To improve in math and critical thinking.
- 20 To create interest in math and science.
- 21 To be an independent learner.
- 22 That he excels in these disciplines, and can continue on to more concentrated programs in robotics, engineering, or any science based that he prefers.
- 23 I hope that they can catch up with their grade level.
- 24 To encourage a love for learning.
- 25 That she will learn to problem solve and think critically rather than learn by memorization.
- 26 We're looking forward to new adventures in 2nd grade.
- 27 Learning new things and going above and beyond in his learning.
- 28 To learn.
- 29 Continued love for and interest in all types of science.
- 30 Simply enjoy the classroom, and actually learn materials.
- 31 I hope that she will enjoy learning!
- 32 Integration of technology in learning.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 33 Global thinking not only in core learning but also more abstract thinking to engage in the learning process. Learning is not only by rote for our children anymore.
- 34 Being more advanced.
- 35 Learning.
- 36 For her to be able understand everything she is learning.
- 37 Interest in achievement in science and mathematics.
- 38 To prepare him for the future.
- 39 To become a well rounded learner.
- 40 Hands on learning.
- 41 He will be challenged in school.
- 42 That they would be educated in the computer and technological sciences in addition to regular subjects.
- 43 To be successful and happy.
- 44 That they achieve a career in a field that interests them.
- 45 Focus on higher learning.
- 46 To be able to think outside of the box.
- 47 That she gets more engaged and want to do school work.
- 48 To be more hand on and to do more learning.
- 49 To continue to excel in book learning as well as hands on projects.
- 50 That they know their passion regarding education. That they know themselves as a learner while increasing metacognition and confidence. I want them to have the foundational skills and numerous ways to display proficiency of Standards.
- 51 I hope my kids have most of the basics in math and science.
- 52 To advance in learning.
- 53 I hope that my child is able to become a more critical thinker.
- 54 My hopes are that learning for my child will fun enough to keep her interested in learning new things, she will learn something new everyday, and with or without knowing she will take what she learned from this school long after she's left here, and hopefully will help her accomplish everything she needs to finish school all together.
- 55 I would like for my child to be able to pass each grade accordingly and without being held back.
- 56 Before he came here he struggled with math and reading, but we were hoping that in a STEM school he would get the focus he would need to progress further in these areas.
- 57 Too continue to progress in school and achieve their goals. Hope that STEM gives them that extra little thing to like education. :)





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 58 **Good grade and better academic skills.**
- 59 **Be more knowledgeable about technology.**
- 60 **To carry it with them in the future.**
- 61 **To be aware of technology, how to use it and what it means.**
- 62 **To excel in future grades and to be better prepared for "real" life.**
- 63 **That he will be able to continue to progress in his respectable area of education.**
- 64 **For them to learn to do more things hands on. It will help them later in life.**
- 65 **Learning to improve especially with reading and math skills, and expanding thinking.**





8. What are the things you like most about Herbert Mills? (Please check all that apply.)

	Responses	Percent
Quality of instruction:	45	58.44%
Real world problems:	43	55.84%
Projects/Activities:	57	74.03%
Teacher/Classroom support:	61	79.22%
Schedule:	21	27.27%
Integration Stations:	27	35.06%
Chinese/Foreign Language:	28	36.36%
After school clubs:	5	6.49%
Morning Roar:	48	62.34%
Techie Club:	13	16.88%
Young Gents:	8	10.39%
Code Week/Computer Science Week:	24	31.17%
Carnival Night/Cardboard Design Challenge:	30	38.96%
Literacy/ST Math/Concert Night:	26	33.77%
Hot Diggity Dog Night:	22	28.57%
Design thinking:	43	55.84%
If other, please describe:	8	10%
Total Responded to this question:	77	81.05%
Total who skipped this question:	18	18.95%
Total:	95	100%





8. What are the things you like most about Herbert Mills? ("If other" comments.)

Response	Comments
1	It pleases me greatly when my little girl calls herself an engineer, and talks about being an engineer, after a stint in the ICE lab with [teacher].
2	Scholastic Book Fairs, Accelerated Reading program, Celebration of Learning, Tiger Town Meetings, school library, PTO and staff. [School secretary], school secretary, is very pleasant, professional and an excellent resource. [School nurse], school nurse, does a great job screening students for illness, notifying parents and wiping down the clinic to reduce the spread of germs. Our custodian [school custodian] does an outstanding job keeping the building clean and safe. He assists with school events such as the book fairs by hanging banners outside the building and providing tables for set-up. He also interacts with students and on occasion sits down and chats with them at lunch. Our library paraprofessional [school library professional] supports all activities related to improving literacy. She participates in Scholastic activities and carefully selects books for the school library. [Teacher] provides great instruction on physical education. [Teacher] has tremendous passion for music education and teaching.
3	Lunch with a loved one.
4	There are a lot of projects that are to be completed at home but not sure how much is being done at school.
5	I think the attention of teachers is very personalized, not sure how they do it!
6	My daughter is never bored there is always a new challenge for her to take on. Her teachers have been amazing at making sure she is not losing interest in learning.
7	Tutoring.
8	Communication with the teachers is open and makes me feel very comfortable with discussing and planning for my children's education.





9. What aspects of Herbert Mills do you like least? (Please check all that apply.)

	Responses	Percent
Quality of instruction:	7	15.56%
Real world problems:	1	2.22%
Projects/Activities:	4	8.89%
Teacher/Classroom support:	7	15.56%
Schedule:	6	13.33%
Integration Stations:	1	2.22%
Chinese/Foreign Language:	6	13.33%
After school clubs:	5	11.11%
Morning Roar:	1	2.22%
Techie Club:	0	0%
Young Gents:	0	0%
Code Week/Computer Science Week:	0	0%
Carnival		
Night/Cardboard Design Challenge:	4	8.89%
Literacy/ST Math/Concert Night:	2	4.44%
Hot Diggity Dog Night:	3	6.67%
Design thinking:	4	8.89%
If other, please describe:	21	46%
Total Responded to this question:		45 47.37%
Total who skipped this question:		50 52.63%
Total:		95 100%

9. What aspects of Herbert Mills do you like least? ("If other" comments.)

Response Comments

1 Over emphasis in primary education on testing, testing, testing, especially using online resources.





(Con't.) 9. What aspects of Herbert Mills do you like least? ("If other" comments.)

- 2 The kindergarten time frame is far too short for quality learning. As a result the kindergarteners are excluded from most if not all of the whole-school events. This is particularly true of the afternoon kindergarten. The teacher does a great job in the time she has, but far too much work is sent home daily for the parents to complete the day's lessons. There are complicated art projects that should be done in a group setting with common supplies available to all, and instead they are instructed to complete these projects at home. Not all homes have the same art supplies, and parents who have the time to work with them every night, so students whose homes or parents fall short of the ideal, are dealt one more blow of inequality. School should be the place where the deficits at home are overcome; but instead, they are magnified.
- 3 I wish [school] offered more field trip opportunities to students in grades 1-4. There are several historic landmarks in Columbus that we do not utilize such as COSI, Ohio History Center, The Columbus Zoo, The Works Museum, The Ohio Governor's Residence & Heritage Garden, The Ohio Statehouse, Franklin Park Conservatory, The King Arts Complex and the main branch of the Columbus Metropolitan Library.
- 4 None, great school!
- 5 I'd like to see more organized activities.
- 6 Common Core math and the lack of instruction in spelling and grammar.
- 7 We are comfortable with everything.
- 8 The bad kids that disrupt the other kids and the principal doesn't want to do anything about them because he feels they lack a father its bull crap discipline the kids and get them out of the school. Gym.
- 9 Too heavy amount of homework done online verses on paper. Not all parents have computers or printers. Many times I have had to spend money on my child's homework assignments, which is something I have never had to do before when my child attended a regular school.
- 10 Lack of communication on school events. Projects should be supported at school and classroom. Home Challenge ideas should be discussed in the classroom as well as ideas and or models should be shared with students for understanding.
- 11 I couldn't say. There are some that I do not even know what they are, but all of them so far have had some attractive. I do not like getting ads in my kid's folders, for roller-skating or other activities in the community, since my kid gets excited about them and we cannot always go or afford them. There are other ways that we all get notice of what is going on, the school should not be a vehicle for this.
- 12 There is nothing that I dislike.
- 13 Quite a lot of homework with often not enough time to really focus and complete. For parents that work trying to assist children with more than an hour in the evenings can be difficult. Maybe more focus to give weekend time to do homework instead of so much focus during the week.
- 14 School day may not be long enough.
- 15 No spelling words.
- 16 None.
- 17 The pick up and drop off arrangement is very unorganized and the teachers that are instructing cars to stop and go are rude and they yell at you to go when your child is literally in the process of getting out.
- 18 Didn't know about clubs and other activities.

(Con't.) 9. What aspects of Herbert Mills do you like least? ("If other" comments.)





- 19 Unwanted parent involvement from the principal. It's been portray that he does want parents in the school.
- 20 At times the amount of homework can be excessive.
- 21 There isn't much we do not like. Sometimes it seems like a lot of homework, but it is understood the work is needed to succeed.

10. What are your favorite Blended Learning apps or tools at Herbert Mills? (Please check all that apply.)

	Responses	Percent
ST Math:	55	79.71%
Achieve 3000:	29	42.03%
Google Classroom:	12	17.39%
Lexia:	23	33.33%
AR:	9	13.04%
IFL:	1	1.45%
Code.org:	11	15.94%
If other, please specify:	2	2%
Total Responded to this question:	69	72.63%
Total who skipped this question:	26	27.37%
Total:	95	100%

10. What are your favorite Blended Learning apps or tools at Herbert Mills? ("If other" comments.)

Response Comments

- 1 AR program has remained consistent. Each year blended learning apps change. Reading Eggs, DreamBox in 2013-2014. Achieve 3000, ALEKS, Moby Max in 2014-2015.
- 2 Not familiar with the other.

11. If you could ask for one improvement in the next school year, what would it be?





Knowledge Capture

Responses Percent

Total Responded to this question:	43	45.26%
Total who skipped this question:	52	54.74%
Total:	95	100%

Response Response Text

- 1 Let the teachers do what they do best – teach!
- 2 Art and music for every child. Physical education for every child.
- 3 The carnival night was quite a cluster. Seemed very poorly organized and thought out. It had potential.
- 4 The lunch process. The fact that the children have to put their heads down and all be quiet before their table can eat is ridiculous. My daughter's table is always the last to go and she never has enough time to eat. Sometimes she has to throw food away because she didn't eat it because of time constraints. I am paying for that food for her to eat it, not throw it away.
- 5 Communication – To improve the quality and quantity of communication with parents.
- 6 Field trips.
- 7 Send more emails to parents with information on parent open house, after school programs, etc.
- 8 Teach the importance of proper grammar and spelling. Have actual grades instead of E M P L scale. The children need to know the importance of being accountable for homework.
- 9 The Standards Based grading sucks. There is no set rubric and it appears to be based solely on the opinion of the teacher.
- 10 Later start time and remove the bad kids.
- 11 Communication is weak and really focused on already established parents. Those parent evenings are chaotic and not thought through. The dynamics don't function. Communication in regards to said events is limited. You will mention an event is going on, but no descriptions of what the heck it is, for new parents. Even terms used in parent meetings at the start of the year were really geared towards parents who knew what those things are. It's been a confusing year as a new parent. I'm not confident I've caught on for next year fully!
- 12 Improve interaction with classmates.
- 13 More consistency on reporting student data. There are too many reports that are shared that are not showing a consistent growth pattern.
- 14 Keep your staff.
- 15 N/A.

(Con't.) 11. If you could ask for one improvement in the next school year, what would it be? (Open-ended)





- 16 We like to participate in as many events as possible. Sometimes they seem to come up very quickly and we don't have time to plan for them. Could you create a shared calendar that allows us to schedule events for ourselves early?
- 17 I would like to see the teachers not be so aggressive and take a step back and realize that these children are in elementary school.
- 18 The playground is lacking. Outdoor physical activity is important, and I feel that better equipment would serve our students well.
- 19 [Student] would apply herself more!
- 20 Free time taken away from individuals, not entire classrooms and not because students were not given enough time to complete other tasks.
- 21 More communication with the teachers. Understanding what the student is doing in the classroom.
- 22 More hands on learning.
- 23 Smaller class sizes more music and art more excellent teaching staff longer school day with more breaks.
- 24 Give a better grace period for the start of school.
- 25 To continue to grow.
- 26 More "homework" spelling words.
- 27 None.
- 28 Better pick up and drop off routine.
- 29 Sending home something that explains the math the kids are doing.
- 30 More communication from teachers and administrators. Science Fair.
- 31 When important information needs to be sent home to parents, the teacher sends home a hard paper copy for important dates.
- 32 The challenges seem to slow down as the year goes on.
- 33 More project learning and computer programming.
- 34 To be with more students who learn on her level.
- 35 The hours are odd for elementary school.
- 36 My suggestion would be to focus more using the basic tools to build a foundation for the students, and teach to the curriculum instead of teaching to the tests.
- 37 Better parking for events.
- 38 Better ways to help with kids at home with homework. They are learning things a bit differently than I did when I was younger.
- 39 More focus on reading.
- 40 Can't think of anything.

(Con't.) 11. If you could ask for one improvement in the next school year, what would it be? (Open-ended)





- 41 Sometimes I feel more detail is needed in how to do homework problems. With the new ways in doing things some of us parents aren't always as understanding. It is hard to help when I am not exactly sure of what is expected, or how to do it.
- 42 Adjusting the school's start time to 9:05am and let the kids get out at 3:35pm. Also teach parents more about how to use apps during classroom orientation before school starts.
- 43 No improvements. Love this school.

12. How can you contribute to supporting or enhancing the school's goals for the coming school year?

	Responses	Percent
Parent-Teacher Conferences:	43	68.25%
Parent Open House:	29	46.03%
STEM Night:	24	38.1%
Field trips:	27	42.86%
Mentoring:	17	26.98%
If other, please describe:	7	11%
Total Responded to this question:		63 66.32%
Total who skipped this question:		32 33.68%
Total:		95 100%

12. How can you contribute to supporting or enhancing the school's goals for the coming school year? ("If other" comments.)

Response Comments

- 1 I can best support the school's goals by being available to continue my child's classroom education at home, every evening.
- 2 I do not plan to return to [school] next school year. I checked the areas that I contributed to in past years and will participate in at the next school.
- 3 This is our last year at [school].
- 4 This is our last year.
- 5 New family night! Anyone with a first year student. More detailed about terms, programs, events, set up of the school and the year.
- 6 Difficult for me to participate during the school day unless it scheduled in advance by a few weeks, but happy to volunteer and share skills.

(Con't.) 12. How can you contribute to supporting or enhancing the school's goals for the coming school year? ("If other"





comments.)

7 Don't know what the needs are.

13. I feel strongly about my child having the following at Herbert Mills (please check all that apply):

	Responses	Percent
Music:	58	78.38%
Robotics:	48	64.86%
Chinese/Foreign Language:	41	55.41%
Physical Education:	62	83.78%
Outdoor experiences:	58	78.38%
Library:	60	81.08%
If other, please describe:	12	16%
Total Responded to this question:	74	77.89%
Total who skipped this question:	21	22.11%
Total:	95	100%

13. I feel strongly about my child having the following at Herbert Mills ("If other" comments):

Response Comments

- 1 Art experiences.
- 2 Visual arts program, student peer groups, student government or student council and a student school newspaper. I think a foreign language is important, but should be offered more than 30 minutes per week. I also think foreign language(s) offered to elementary students should be compatible with languages offered in middle/high school.
- 3 More reading and writing.
- 4 The time working on computers.
- 5 After school tutoring the whole school year and project based learning at school.
- 6 The combination of kids with different backgrounds.
- 7 He was really looking forward to both the field trip to the Art Museum and COSI on Wheels-I hope they have been rescheduled.

(Con't.) 13. I feel strongly about my child having the following at Herbert Mills ("If other" comments)





Knowledge Capture

- 8 More normal activities after school. Choir concerts, field trips, etc.
- 9 Art and music.
- 10 Time to play with other children art computer programming smaller class sizes.
- 11 Art. I missed my son having his creativity explore.
- 12 Blended curriculum.

14. Where at Herbert Mills have you seen your students engage in high-quality STEM work? (Please check all that apply.)

	Responses	Percent
Science:	30	40.54%
Math:	46	62.16%
Language Arts:	15	20.27%
Social Studies:	7	9.46%
Design Challenges:	56	75.68%
Learning to apply "Habits of Mind":	10	13.51%
Integration Stations:	10	13.51%
ICE Lab:	38	51.35%
If other, please describe:	4	5%
Total Responded to this question:	74	77.89%
Total who skipped this question:	21	22.11%
Total:	95	100%

14. Where at Herbert Mills have you seen your students engage in high-quality STEM work? ("If other" comments.)

Response Comments

- 1 The ICE Lab, but they are not graded on work completed in the ICE Lab. They have quarterly design challenges, which are completed at home and returned to school, but grades are not recorded in PowerSchool. Report cards do not provide feedback on a student's ability to perform or complete projects in ICE Lab. "High-quality STEM work" should be defined in the student handbook.
- 2 I have not.

(Con't.) 14. Where at Herbert Mills have you seen your students engage in high-quality STEM work? ("If other" comments.)





- 3 Techy Club.
- 4 Which are completed at home.

15. What is the best example of STEM work your student has engaged in at Herbert Mills?

Responses Percent

Total Responded to this question:	43	45.26%
Total who skipped this question:	52	54.74%
Total:	95	100%

Response Response Text

- 1 ICE lab is a highlight of my child's education experience at HM.
- 2 I like that the design challenges encourage thinking "outside the box" while utilizing topics discussed in class.
- 3 Design challenges.
- 4 In my opinion, the animal mask design challenge was the best example of STEM work because students were required to write out the steps of the design process and submit it with their finished product.
- 5 Projects.
- 6 Projects.
- 7 Design challenges.
- 8 Water cycle night! First time I saw him critically thinking about a problem and ways he could help find a solution.
- 9 Math and reading.
- 10 Maze project.
- 11 The Home Challenges which in my opinion I have to teach my child how to complete.
- 12 The briefcase for "around the world" activity.
- 13 The timeline he made.
- 14 ST Math.
- 15 Design challenges and the ICE lab.
- 16 We enjoyed the games that the students built as teams for the carnival night.
- 17 He loves the design challenges.

(Con't.) 15. What is the best example of STEM work your student has engaged in at Herbert Mills? (Open-ended)





- 18 The projects and schedule of work load.
- 19 The cardboard challenge.
- 20 Experiments and understanding process.
- 21 Student enjoyed the mask parade design challenge.
- 22 Ice lab and the design challenge.
- 23 Design challenges.
- 24 Cardboard design challenge. Although, I think they could do a lot more. I also liked her participation in the hour of code that turned into a week of code and still continues. Additionally, I would love to see them do more integrated projects like my son did in 4th grade last year - he made a 3D map of the United States. I think the 2nd graders could do some other things like that.
- 25 Design challenges.
- 26 My son loved the cardboard challenge and he was so excited for us to participate in the design challenge together on STEM Night.
- 27 Coding.
- 28 Advanced math and design skills.
- 29 Design challenges.
- 30 Design challenge.
- 31 Design challenges.
- 32 Building a 3D map of Reynoldsburg and United States.
- 33 Coding.
- 34 3D map and cardboard challenge.
- 35 This is our first year at this school. And we really like it and I feel as a parent my children have improved so much at this school.
- 36 N/A.
- 37 ST Math. Kids loving playing at home.
- 38 Science.
- 39 Cardboard challenge.
- 40 Design challenges.
- 41 The technology and computer work. I am very pleased.
- 42 That my child takes test to see where he is in terms of intelligence.
- 43 He is improving in reading and math skills.

16. Would you recommend Herbert Mills to other families?





Knowledge Capture

	Responses	Percent
Yes:	71	93.42%
No:	5	6.58%
Total Responded to this question:	76	80%
Total who skipped this question:	19	20%
Total:	95	100%

17. Is there any feedback you would like to share with the school administrators about your child's experience at Herbert Mills?

	Responses	Percent
Total Responded to this question:	29	30.53%
Total who skipped this question:	66	69.47%
Total:	95	100%

Response Response Text

- 1 I would like to see more art and music in the classroom. I would like to hear my little girl singing songs she learned at school, and sharing art she has made. I would like her to have daily outdoor recess when weather permits, and indoor recess when necessary. I would like her to have physical education on a regular basis.
- 2 This is my child's first year at [school]. We have finally found a school that fits his needs and challenges him to stretch his mind!
- 3 No, I have consistently provided feedback throughout the school year.
- 4 N/A.
- 5 This year the Orientation Assembly with the principal was canceled for 4th graders. I thought that was a mistake as we had a brand new principal. It would have been nice to meet him. However, I never got that chance. Knowing the previous principal made me feel more connected to the school. This year was a bust for me.
- 6 My kids love the school except for gym. Last year they were excited this year they both hate it. I would also remove the kids that are causing problems and not stick all boys and just a couple girls in a 4th grade class. I have heard way to many excuses for these bad kids in my daughter's class. I have even thought about removing her because nothing is being done. Its bad you would rather lose a gifted kid to keep a bad kid.

(Con't.) 17. Is there any feedback you would like to share with the school administrators about your child's experience at Herbert





Mills? (Open-ended)

- 7 I love this school and will miss them all in the coming year.
- 8 I think I have been decently verbal. I included anything in this survey which I felt needed further addressed.
- 9 Design challenges disappoint me because I have let my child have full control over the challenges and let them do everything from start to finish. And I have seen the other designs at the same grade level and know that the kids have not had one iota of input into it. Their parents do it for them. The carnival night was a nightmare, and I was highly disappointed in it. The whole thing from start to finish. I am not impressed with the quality of education, and do not understand how my child can learn what they need to and quality of it in a three hour day. I hope 1st grade is better.
- 10 My daughter has had really awesome teachers while at [school]. They have been very supportive of my child's needs and are always willing to go above and beyond. They communicate with me often, which is very important to me. [Teacher], [teacher], and [teacher] have made it a great experience for my child and that why I would recommend [school].
- 11 I love the interest teachers have shown for kids, and the time they invest on each one. Nurses are also very caring for them.
- 12 No.
- 13 This was a conscious choice to send him to this school, and it was the best decision we have made in regards to school.
- 14 N/A.
- 15 We love STEM!
- 16 She is doing well.
- 17 I think the greatest value at [school] is the teachers. They are very dedicated to making kids school experiences positive and enjoyable. This school would not be as great as it is if it weren't for the teachers. I wish the kids were engaged in more community building experiences. I know that when [teacher] was here they made gardens in the back of the school. Kids could be involved in designing and building an updated playground next year and making the center yard more appealing by planting bulbs in the fall that will bloom in the spring. I wish the children learned more about how to be a part of a community in school.
- 18 Please keep up the good work and keep having parent-involved activities.
- 19 More support for children with attention/focus issues.
- 20 Teachers and staff are very helpful and accommodating.
- 21 I admire how much all the teachers care.
- 22 You need more welcoming to parents and kids need art.
- 23 My children in 4th and 1st grade have improved so much from the school they came from in just 1 school year. Thank you.
- 24 N/A.
- 25 Since my daughter has been here, she has been excited about school and learning she's getting into the rhythm of how school should be. She is a smart child and she deserves to be challenged and I feel like she's getting that here.

(Con't.) 17. Is there any feedback you would like to share with the school administrators about your child's experience at Herbert



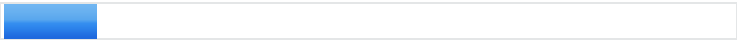

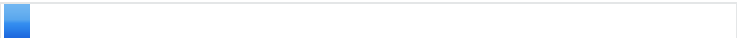




Mills? (Open-ended)

- 26 [School] has been an excellent experience compared to his first two years at Slate Ridge. The staff has been very helpful and accommodating with the experience here.
- 27 Love the school! Love that if my child is behind on something it is brought to my attention quick. I really appreciate the open communication. My children's teachers, all of the after school activity nights, awesome way to keep kids AND parents involved.
- 28 It has been a great school and wonderful staff! Thank you!
- 29 No feedback. Love the school.

18. Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?

	Responses	Percent
Strongly agree: 	35	46.67%
Agree: 	25	33.33%
Neutral: 	9	12%
Disagree: 	4	5.33%
Strongly disagree: 	2	2.67%
Total Responded to this question:	75	78.95%
Total who skipped this question:	20	21.05%
Total:	95	100%

19. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?





Knowledge Capture

	Responses	Percent
Daily:	13	18.31%
Weekly:	33	46.48%
Bi-weekly:	9	12.68%
Monthly:	6	8.45%
If other, please describe:	10	14.08%
Total Responded to this question:	71	74.74%
Total who skipped this question:	24	25.26%
Total:	95	100%

19. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you? ("If other" comments)

Response Comments

- 1 If not daily, a weekly summary would be appreciated. Students do not have textbooks. They use a written agenda in grades 2-4, but it does not cover most subjects. It contains repeated instructions to read for 20 minutes and practice math facts. There are updates on special events (i.e. no school, bring library books, box tops contest, etc.), but not much in the way of what is happening in class.
- 2 I like the calendar that shows what color my child's card was, however I would like an email with feedback once a week or twice a week.
- 3 Especially when there are concerns, not wait until only open houses so you have time to prevent or help improvement.
- 4 It's a parents job to check in with teachers so as long as they don't mind me emailing them to check on the progress of my child, that is how we can communicate. If there is a behavior or academic issue, I would appreciate immediate feedback.
- 5 I am satisfied with the current level of communication.
- 6 I think we should have the app I have heard about at other schools where the parents get real time updates and have handy access with their child's teacher.
- 7 Communication is fine.
- 8 At least weekly, and if at all possible, then I would also like important dates to be brought up numerous times. Maybe a weekly/daily letter to parents.
- 9 I feel they communicate just enough. Also, I feel welcomed by the teachers. I know I can contact them at anytime and I know they will be in touch with me ASAP.






(Con't.) 19. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you? ("If other" comments)





10 Both my kids' teachers are always available for communication.

20. Do you feel that the Administrative staff at Herbert Mills communicates with you on a regular basis regarding what is happening at the school?

	Responses	Percent
Strongly agree: 	21	28%
Agree: 	32	42.67%
Neutral: 	14	18.67%
Disagree: 	7	9.33%
Strongly disagree: 	1	1.33%
Total Responded to this question:	75	78.95%
Total who skipped this question:	20	21.05%
Total:	95	100%

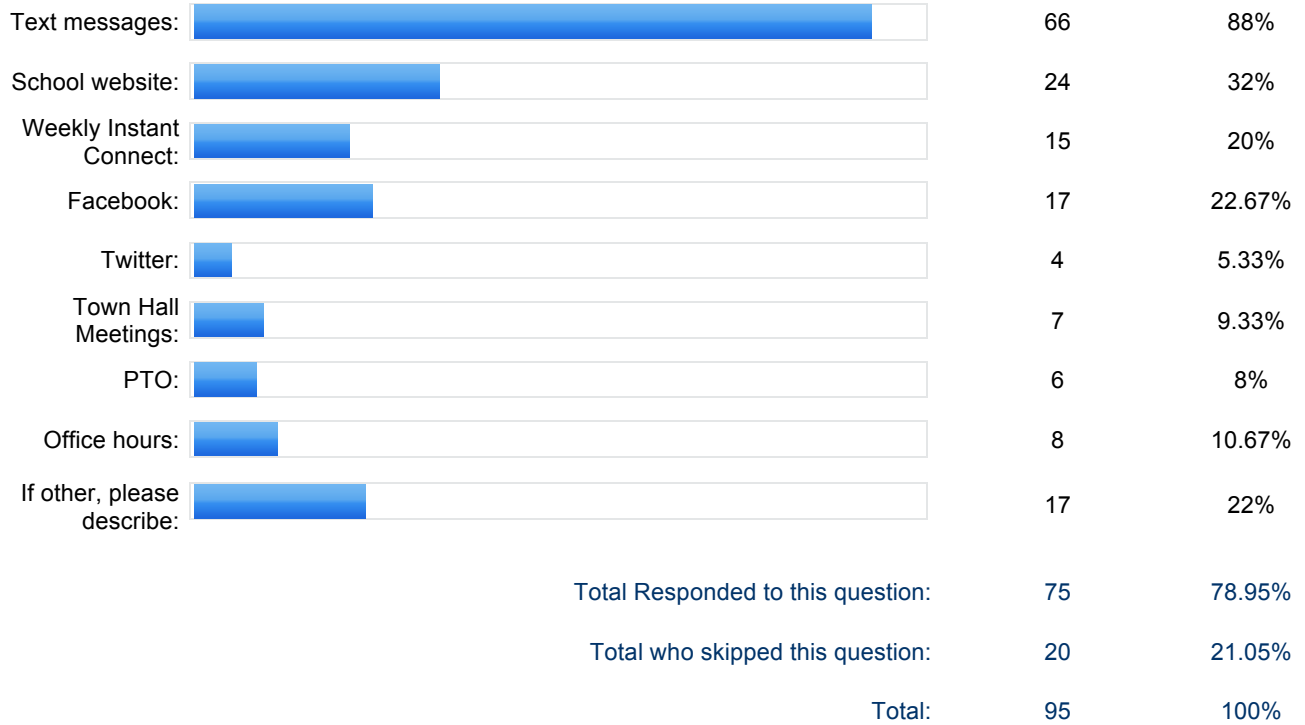
21. What is your preference for communication from the school administrators? (Please check all that apply.)

Responses	Percent
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Knowledge Capture



21. What is your preference for communication from the school administrators? ("If other" comments.)

Response Comments

- 1 Phone calls when there are problems, would be helpful.
- 2 I am flexible on the type of communication used. I think the emphasis should be on getting useful and pertinent information out to parents in a timely manner.
- 3 Emails! I work and I am in a office and Like to receive emails with information. I like texts but a little informal.
- 4 Email.
- 5 Email.
- 6 Email.
- 7 Emails.
- 8 Email.
- 9 For non-emergency information email is the best. I can read it when I want to and it doesn't interrupt my day. If there is an emergency, text is best. I want that to interrupt my day.

(Con't.) 21. What is your preference for communication from the school administrators? ("If other" comments.)

- 10 Paper.





- 11 Email.
- 12 Email.
- 13 Email.
- 14 Email.
- 15 E-mail.
- 16 Email works well.
- 17 Email and class dojo.





Reynoldsburg City Schools [RCS] Summit STEM 2016 Parent Survey Report

This report provides a preliminary look at the survey responses for the ReynSTEM Summit STEM 2016 Parent Survey.

The document presents bar charts for survey responses for Qs 1-3, 5-6, 8-9, 11-13, and 15. Questions that provided the option for respondents to add an open-ended “if other” comment are presented as submitted. Responses to open-ended questions (Qs 4, 7, 10, 14, and 16) are also presented in this document as submitted.

Thematic analysis of open-ended questions (Qs 4, 7, 10, 14, and 16) and open-ended “if other” comments will be presented in a second document to be issued as a follow-up to this report.

SURVEY PROTOCOL

The survey was drafted on January 20, 2016 and circulated for review and revision. The final version was completed on February 3, and Summit STEM launched the survey on Thursday, February 4, 2016. The survey remained open until Tuesday, March 1, 2016. The survey was administered via a secure web-based platform (SurveyMethods®) designed for conducting a confidential and anonymous survey.

The survey had 218 total respondents, with a total of 184 individuals who completed the survey. Note: 32 respondents completed *only* Q1, “Agreement to Participate,” but did not respond to other questions within the survey.

SUMMARY OF SURVEY QUESTIONS AND ISSUES

Q2 is a profile question.

Q4 asked parents to define what STEM means to them in an open-ended format.

Q3, Qs 5-10 and 15 are questions regarding parent’s views on Summit STEM as a STEM school. Parents were asked to indicate their choice for a STEM school, level of satisfaction with the STEM program, their hopes for their child, what they like most and least about the school, and where they would like to see improvement. Parents were given a set of responses to choose from, including the choice of “other” with the option of providing an open-ended written response for Qs 8-9. Q7 (hopes) and Q10 (improvements) allowed for open-ended responses, and Q15 asked if parents would recommend Summit STEM to other families.

Q11 asked parents to reflect on how they can contribute to support or enhance the school’s goals for the coming school year and included an open-ended response.





Qs 12-14 and 16 asked parents specific questions about STEM education at Summit STEM. Q12 invited parents to identify what courses, clubs, or opportunities they felt strongly about their child having at the school and included an open-ended response. Q13 invited parents to identify where they have seen their child engage in high quality STEM work at Summit STEM and included an open-ended response. Q14 was an open-ended question asking parents to describe specific examples of their child's engagement with STEM at Summit STEM. Q16 allowed parents to share additional observations about their experience as a parent, or about their child's experience at Summit STEM.

Qs 17-20 addressed communication with parents from teachers and school administration. Q17-18 asked about current communication from their child's teachers. Q19 asked about current communication from school administration, and Q20 asked for preferred methods of communication from school administration including an open-ended response option.





Knowledge Capture 2016 ReynSTEM Parent Survey: Summit

1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rs-stem-school-dd/>).

	Responses	Percent
I agree to participate in this anonymous survey:	218	100%
Total Responded to this question:	218	100%
Total who skipped this question:	0	0%
Total:	218	100%

2. What is your child's grade level? If more than one child is enrolled in Summit, please select all that apply.

	Responses	Percent
Kindergarten:	47	25.27%
1st Grade:	45	24.19%
2nd Grade:	49	26.34%
3rd Grade:	41	22.04%
4th Grade:	45	24.19%
Total Responded to this question:	186	85.32%
Total who skipped this question:	32	14.68%
Total:	218	100%





3. Did you choose to send your child to Summit STEM because of the STEM program?

	Responses	Percent
Yes:	181	97.31%
No:	5	2.69%
Total Responded to this question:	186	85.32%
Total who skipped this question:	32	14.68%
Total:	218	100%

4. What does "STEM" mean to you?

	Responses	Percent
Total Responded to this question:	160	73.39%
Total who skipped this question:	58	26.61%
Total:	218	100%

4. What does "STEM" mean to you? (Open-ended)

Response Response Text

- 1 Science, technology, engineering and technology.
- 2 Besides the acronym, stem to me is more of a hands-on, open learning system.
- 3 A more immersive learning environment with science and technology at the forefront. Thinking in creative ways to solve problems.
- 4 It is the part of my child's education that it preparing her for the real word. As science expands, so should the material being taught in order to make her ready for future jobs as she learns and develop in her future and her future career field. The curriculums have changed over the years as they should so that our children can adapt to not only society today but the future of career development. It also means she is being given the opportunity to not only learn a variety of subjects but she is making connections in her classes, especially with math and she will as she grows with science as well. She is also being given the awareness of knowing what there out there and what she can bring to the table in her own special, unique way.
- 5 It means children learn the basics but with an emphasis on math, science and collaborative learning.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 6 Hands on learning experience for my young child. Independent thinking and not the 'standard' learning experience.
- 7 Hands on learning, innovative teaching, open minded staff.
- 8 The way I describe it to people is that it is a problem/project-based teaching methodology, focused around science, technology, engineering, and math, that is used to not only teach the required public school curriculum, but to go above and beyond the normal curriculum.
- 9 STEM means to me that my child gets to really see the advantages of a great school that pushes him to excel and still take the time he needs to understand the methods of practices the teachers are trying to put into play for him.
- 10 Science, Technology, Engineering and Math.
- 11 Hands-on learning. Thinking outside the box.
- 12 Science Technology Engineering Math.
- 13 Learn by doing.
- 14 Science, technology, engineering, and math It means that my child will have the opportunity to use his strengths in these areas, the encouragement to explore his curiosities, and the ability to learn in an environment that is not so stuffy (has the opportunities for team projects, collaboration, etc.).
- 15 Encouraging my child to think outside the box to solve problems. Focusing on teamwork at an early age so they can develop better communication skills.
- 16 It is beyond just Science Technology Engineering and Math!
- 17 STEM to me, means that my children learn through the design cycle, communication, and critical thinking instead of the "traditional classroom." They focus on learning through collaboration, design, critical thinking, improving, communication and letting them know that with any problem, they can solve it by using this cycle. If it fails, keep improving and redesigning. That it is ok to fail as long as you go back to the drawing board and keep trying to improve. STEM is teaching 21st century skills by introducing our children to technology and learning the benefits of using it.
- 18 Working above and beyond the scope of elementary thinking by creating innovative builders, thinkers and collaborators!
- 19 Science, Technology, Engineering, Math. A different approach to learning...more project based and trial/error/evaluation. This works perfectly for my son. He loves hands on learning as well.
- 20 Applying the curiosity and approach one uses in the sciences to all aspects of a child's education.
- 21 Better learning environment, more hands on, learning in new and improved ways.
- 22 It makes my child work harder. Sometimes it feels like a little more than they should for their age. I don't always agree with that. We should allow our children to be children. There should be a better balance between homework and "kid time" after school.
- 23 My child's future.
- 24 Allowing children to learn how they see the world.
- 25 Project-based, collaborative, hands-on, progressive education focused upon the fields of Science, Technology, Engineering, and Math.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 26 Science, technology, engineering and math - the integration of these education areas supporting in each subject. It means thinking outside of the box and digging deeper!
- 27 Science, technology, and engineering.
- 28 Science, Technology, Engineering, Math, which means my child is geared towards this field.
- 29 Science Technology Engineering Math Stem programs cover traditional education but extra focus on the items above.
- 30 STEM means thinking outside of the box and not being wrong for the creative solution you come up with.
- 31 Science tech engineering math focused learning.
- 32 Science, Technology, Engineering, Math.
- 33 Science Technology Engineering Math As a black female, I want my daughter to believe she can succeed in science.
- 34 The focus of our child's education will be biased towards science topics.
- 35 A way of learning.
- 36 Exploring ideas and concepts through the lens of science, math and technology.
- 37 STEM is inquiry-based learning where real world problems are solved. It is a method of teaching and learning. It is a focus but also not only Science, Technology, Engineering, and Math.
- 38 Focused learning on the following: Science, technology, engineering, and math.
- 39 That the learning will incorporate hands-on learning activities and collaboration. The learning will be more than just worksheets and drill and practice.
- 40 Education grounded in Science, Technology, Engineering, and Mathematics that is directly linked to real world problems and solutions. It seems to celebrate my child's way of problem solving, innovation, learning, the sense of community. It is teaching my child to be hands-on and work with others to find a creative solution for any problem.
- 41 Collaboration.
- 42 Science technology engineering and math. More hands-on learning.
- 43 Using science, technology, engineering and mathematics to explore all aspects of education, including history, art and other subjects.
- 44 Everything.
- 45 Problem solving. Collaborating with peers. Generating new solutions to problems. Science and discovery. Inventions and creativity.
- 46 "Success" and an opportunity to gain valuable knowledge into my child's future.
- 47 Science Technology Engineering Math.
- 48 The acronym is obvious and a big reason of my choice of school In addition the increase use of technology and "real world" teaching and learning is essential in keeping up with current times.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 49 STEM means a fun emphasis on science technology engineering and math. There is a culture of collaboration and opportunities for project based learning. [School] is like our family! [Principal] knows the children in the building so well! She leads by example because the teachers have a strong connection to the students as well.
- 50 Science, technology, advancement in learning.
- 51 Learning in a collaborative way with an emphasis on problem solving, designing and creating. It means the instruction is geared towards science and math with the use of lots of technology and guiding students to think like, work like and learn like engineers.
- 52 Teaching children to leverage science and technology while exploring the world and learning to problem-solve.
- 53 The kids are learning the gen. ed. curriculum but with a science, tech., math and engineering focus.
- 54 Hands on and thinking outside the box.
- 55 Curriculum that promotes growth in areas of STEM collectively.
- 56 Problem based learning, non-traditional, Science, Technology, Engineering, Math.
- 57 Science Technology Engineering and Math. But it is also a way of teaching, learning and thinking. I very much like STEM because of the process in which the children are taught to solve both academic and real-world problems.
- 58 Specific attention to math and sciences as well as a more challenging experience.
- 59 Along with what they stand for I feel that is more hands on learning than a "regular" school. STEM continues to grow and offer more programs to kids
- 60 A challenging step above the rest type of education.
- 61 STEM to me is an innovative way of learning, working as a group, utilizing all areas of the brain to complete a project and learning to communicate as a group.
- 62 An elevated level of education.
- 63 STEM, to me, means education that emphasizes the importance of today's growing fields. It helps the students learn with a hands-on approach and teaches them to problem solve.
- 64 Hands on learning with focus on science, technology, engineering and math.
- 65 STEM to me means teaching in a way that relates to a 21st century economy. STEM schools will focus on collaboration between students, project based work and will focus in on science, technology, engineering and math whenever possible.
- 66 Higher education.
- 67 To give my child the best chance for a good further.
- 68 Science, Technology, Engineering, and Math.
- 69 For myself of course I think stem means science and technology. But as a whole you were bringing science and technology into all areas of learning. I think it's the third grade play that was the sheer about her changing environment and how [teacher] was able to use one place and be able to tell a story and history and also an environmental lesson all on the same presentation.
- 70 It is a different technique to learning. It provides a more hands on approach to learning.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 71 Science, technology, engineering, and math.
- 72 Science, technology, engineering, and math.
- 73 Science, technology, engineering, math! Using innovative ways of learning!
- 74 As a parent of a Kindergartner, I am being "re-introduced" to the school setting. And, as STEM certainly means science, technology, engineering and math, I'm also learning that the STEM schools teach differently and have higher expectations for parent involvement at home, which are all good things. So far, I like what I see in my daughter's K-class and it's mixture of technology and traditional learning has been a good thing for my daughter.
- 75 Heavy focus on science and math.
- 76 Giving my kids an extra step up in education.
- 77 Education with a strong emphasis toward science and mathematics.
- 78 Science, Technology, Engineering, Math. And a way for kids to learn differently.
- 79 A curriculum focused on Science, Technology, Engineering and Math. More hands on. Emphasis on group projects.
- 80 Educating outside of the standardized box.
- 81 Cutting edge learning opportunities.
- 82 Science, Technology, Engineering, and Mathematics. A more project based/discovery/inquiry learning style.
- 83 Science, Technology, Engineering, and Math (and other areas) combined in an interdisciplinary way to allow for students to be engaged across all the disciplines when learning and working on assignments and projects.
- 84 Science, technology, engineering and math with an emphasis on the design cycle.
- 85 A fully rounded curriculum with emphasis on embedded elements of engineering and technology in addition to science and math and other traditional curricular elements. It means critical thinking and a problem-based or real-world approach to problem solving, learning, etc.
- 86 I know it stands for science, technology, engineering, and math but to me it means a different way of learning that encourages innovation, creativity, and preparations for their future careers.
- 87 Hands on collaborative work!!
- 88 STEM, to me, means using science, technology and/or math to look at problems in a new way. Students should be seen engaging with their environment to investigate the how and why of a concept. One would also see students engaging with each other communicating their new knowledge through a combined effort of speaking, listening, writing and sharing.
- 89 Science, Technology, Engineering and Math. The application of scientific methodology to children's learning
- 90 STEM is not just about science, technology, engineering, and math. It is really about a skill set that crosses all the disciplines and demands that teachers begin to actively collaborate and plan across departmental borders in order to provide learning experiences. I believe these concepts should be taught at school though and most work completed at school.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 91 My children will be taught to think outside the box and learn how to design/create and work through problems/projects with a group or by themselves. They will learn it's ok to make mistakes but to try different approaches till they come to a final product. They will have hands on learning with science, tech, engineering & math but will still learn core skills. It's a wonderful program and I'm so excited my children are a part of it.
- 92 It means my child is learning in a different way that is better for him than the traditional schooling.
- 93 Learning through problem solving, testing, and reworking the solution.
- 94 A different/ hands on individualized learning experience for my child.
- 95 Advanced learning. My child was more advanced than students, I feel, at normal elementary. STEM to myself means higher and more advanced education. I know STEM stands for Science, Technology, Engineering, and Math...
- 96 I like the breakdown of academic subjects to a more hands on curriculum. The kids really seem to also enjoy the trips down to the pond.
- 97 Technology.
- 98 Science, Technology, Engineering and Math.
- 99 STEM mean creative and critical thinking in relation to learning practices. Using technology and other resources to solve problems and communicate effectively.
- 100 A new approach to teaching that encourages kids thinking outside the box and no idea is wrong one.
- 101 A more hands on learning environment along with science, technology engineering, and mathematics.
- 102 STEM means a focus or crating a foundation for the students to be successful in the areas of science and technology. There is no magic wand to create the interest and I think parent involvement should be paramount. When you read report after report about the necessity of scientific engagement by our young people, the need becomes painfully obvious. I think STEM in itself allows for the creativity of a child to blossom...to think in different directions...to follow their own scientific method. Bottom line, it means the world to my family and me.
- 103 Getting an education in a slightly different way. Kids being more hands on and involved in the learning process.
- 104 Hands on learning.
- 105 I'm unsure. But I do know that we do not appreciate our child being told MULTIPLE times that if he does not pass the 3rd grade state reading test that he will NOT pass to 4th grade. While this IS true, let's think about this--does a 3rd grade 9-year-old student need to be given this information? Information that causes stress and worry on a daily basis for my child? That is not the kind of environment I expected from STEM. And that is not the kind of environment that my child strives in.
- 106 STEM means to focus on teaching our kids the proper skills and information that they will need in the future with the increase in technology, science and engineering.
- 107 Science, technology, engineering and math more group projects and experimentation as opposed to lectures and abstract memorization.
- 108 A focus on the science and math with more real life experiences that helps a certain type of child learn better than they would if they just read about. Being able to get hands on experiences into the concepts presented in books to get a better understanding.
- 109 Projects, hands-on learning, focus on science, technology, engineering and math.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 110 It is mainly focused on science, math, engineering and mathematics. The learning is more hands on and collaborative. The design cycle is a huge part of their project-based learning.
- 111 Stem has opened my child up to so many possibilities in her life...best decision ever to send her to [school]. Stem is the future!
- 112 I don't know?
- 113 Science Technology Engineering Math. It also means hands on learning, Less Restrictive Learning, and Learning Adaptive to the Individual Student.
- 114 Hands on.
- 115 It means additional materials to better prepare her for further education and life choices.
- 116 Development for my kids.
- 117 More science, teaching critical thinking skills, more rigorous education.
- 118 A way of learning that uses focused technics compared to other campuses.
- 119 STEM to me means there are more topics and activities geared towards science, technology, engineering, and math. Those areas of study would also require more hands on activities.
- 120 More emphasis on science technology engineering and mathematics, a more modern teaching program from traditional one
- 121 Science technology engineering mathematics - challenges a child and teaches them new ways of thinking, design thinking.
- 122 STEM means focusing my child's education on the STEM principals in order to prepare them for the outside world. Science, Technology, Engineering and Math are important foundations for learning.
- 123 It means my son is getting the right tools for learning at an earlier stage than most. More of what matters most for him to accelerate in school and life.
- 124 More freedom, critical thinking, student centered, emergent curriculum. In general, my child feels empowered to use critical thinking skills to solve problems.
- 125 School focus on teaching science, technology, engineering and mathematics.
- 126 STEM involves learning through questioning and discovery.
- 127 Integrated, purposeful instruction more parental involvement real-life applications.
- 128 "STEM" to me it means Science, Technology, Engineering, and Math focused learning while continuing to improve the reading, writing, as well as learning new skills in research, presentation, organization, and time management.
- 129 More technology based learning. Problem solving with multi steps.
- 130 The future.
- 131 Science technology engineering and mathematics. To me it means a more comprehensive and interactive learning experience. It means an emphasis on critical thinking.
- 132 A more creative way of learning and thinking. Non-traditional classroom structure.
- 133 Obviously science, technology, engineering, math. But I think of it as a different approach to learning.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 134 Resources and academics that are geared toward providing students to be successful in an ever-changing global society.
- 135 Provide extra information and technological knowledge to the student as per their grade. They become more creative and informative.
- 136 A school that will focus on the key areas that students will need to be successful in life; science, technology, engineering & math.
- 137 Science Technology Engineering and Math. My daughter has learned how to collaborate in projects and to think critically, which is almost impossible these days because of all of the government regulations on education. STEM schools allow for a bit more creativity than regular public schools.
- 138 That my child will be better prepared for her future and the way the economy is progressing.
- 139 Science, technology, engineering and mathematics. It is a problem based learning method that places the topics listed above into the everyday learning activities of the classroom.
- 140 Focused learning in science, technology, engineering, and math.
- 141 Amazing learning environments and challenging curriculum.
- 142 Science, Technology, Engineering and Math Putting all of that together.
- 143 Increased hands on interaction throughout the learning process.
- 144 Integrated learning with an emphasis on science and technology.
- 145 Learning Science, Technology, Engineering, and Math through real world applications and problem solving.
- 146 Jump start on learning fundamentals of math & science that I didn't get until I was in a special class in high school.
- 147 Science, technology, engineering, math, and hands on approach to learning!
- 148 Advanced education.
- 149 A way to learn implementation of science, technology, engineering, and science.
- 150 To me it means not just learning the basics but also how to apply concepts to real world scenarios and to know how to use critical thinking, creativity, collaboration, and cooperation with every situation.
- 151 Technology higher education standards.
- 152 Science Technology engineering and math.
- 153 Technology systems.
- 154 STEM is a way of learning that involves creativity, innovation, and discovery.
- 155 From my understanding it was something like a charter school.
- 156 The STEM program is a great opportunity for our child to develop the skills they need for the increasing number of careers that rely on training in technological advances.
- 157 Focus on applied math and science. Project based learning. Critical thinking when dealing with real world problems.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 158 Science Technology Engineering and Math Project based learning. Hands on learning.
- 159 Creative and unique learning opportunities.
- 160 Advanced and specialized education.

5. How satisfied are you with the STEM program at Summit STEM?

	Responses	Percent
Very satisfied:	142	76.34%
Somewhat satisfied:	41	22.04%
Not satisfied:	2	1.08%
Unsure:	1	0.54%
Total Responded to this question:	186	85.32%
Total who skipped this question:	32	14.68%
Total:	218	100%

6. How satisfied are you with our ability to meet your child's individual educational needs?

	Responses	Percent
Very satisfied:	130	69.89%
Somewhat satisfied:	46	24.73%
Not satisfied:	10	5.38%
Unsure:	0	0%
Total Responded to this question:	186	85.32%
Total who skipped this question:	32	14.68%
Total:	218	100%





7. What are your hopes for your child as a result of attending a STEM school?

Responses Percent

Total Responded to this question: 152 69.72%

Total who skipped this question: 66 30.28%

Total: 218 100%

7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

Response Response Text

- 1 I hoping that she will continue to grow and develop.
- 2 That they will be ready for the next step in their academic and social careers.
- 3 To have a better ability to plan for the future. To make them more knowledgeable in science and technology.
- 4 That she will not only learn as much as she can but to take something away from it besides the education piece. The teamwork they do together will teach her to be a real team player as she grows. The core values they are learning are also making her have a better understanding of what they truly mean and how the can effect her and those around her. I want her to flourish, learn, and be the person she is meant to become.
- 5 That she develops a love for learning and some different ways to solve problems.
- 6 To be ready for the real world.
- 7 Global problem solvers...whole thinkers.
- 8 That they will be well-rounded individuals, able to work well with other people, and in challenging situations; that they are prepared for the careers that are trending in society.
- 9 To really take on the skill she is grasping and maintain the problem solving skills for upcoming situations he might fall into.
- 10 That they are able to deal with everyday problems and problem solving in a more efficient way. They gain a sense of accomplishment while working with their peers.
- 11 I hope the STEM program will help them better prepare themselves for high school and college success.
- 12 Being creative and making things.
- 13 He will be strong in the areas of critical thinking and teamwork, as well as the fundamentals of the STEM program. These are strengths that will help him in the adult world.
- 14 That he is able to solve complex problems and think outside the box.
- 15 To benefit by having a strong foundation in science and math.
- 16 Able to prepare her for her future and better opportunities as a female in STEM field.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 17 I hope he'll stay inspired and motivated since these are his areas of interest.
- 18 To have the rigor and structure of approaching studies with a multi-faceted view on how those studies can be applied in the world beyond.
- 19 To learn how to collaborate with others.
- 20 To expand the mind to learn what is important to the world regarding a career focus.
- 21 More creativity in an ever demanding set of work fields.
- 22 Better reading.
- 23 For him to immerse himself in every available opportunity.
- 24 That he be a well-rounded problem solver that has confidence to take risks - to fail to succeed!
- 25 To like math.
- 26 My hope is that my child can make it to the accelerated class in 3rd/4th grade.
- 27 That she will go into a stem based career. I believe those are the careers that are growing and will continue to grow.
- 28 I hope my child has a curiosity and love for learning about all subjects.
- 29 To continue to love learning and being able to do so with a new approach. That the education she receives will not only follow her through her k-12, but for the rest of her life, and in her future endeavors.
- 30 To believe she can excel in science and coding. She already has a love for math.
- 31 Better understanding of math and science in the real world.
- 32 I hope that my child will be able to keep up with all of the rapid changes in technology we see every day. I want him to have a good grounding in scientific language and methods along with the other basics that children learn in grade school.
- 33 To study math and engineering in college.
- 34 I want my daughter to use technology to further her exploration of concepts and skills. I want her to use technology to create and share the knowledge she gains. I wish she did more independent researching.
- 35 I want my children to become thinkers and doers. I want them to be able to make decisions on their own about testing ideas. I want them to be self-learners and to understand that to fail is to learn.
- 36 Have a greater grasp on new technology, creating projects on their own while learning reading and writing fundamentals.
- 37 She will be a critical thinker, confident in her ability to learning and grow. She will have a wide variety of learning opportunities (types, i.e., hands-on, computer based, etc.)
- 38 My hope is that my child will continue to be a problem solver. It will allow my child to find value in the option of others and to be proud in the clue that my child adds.
- 39 To be / have open opportunity's, love that there are different ways to learn.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 40 I love everything about the school except for Chinese. I think it's a total waste of time. The kids could be learning more science or social studies instead of Chinese. Or at least teach them Spanish. They will need Spanish in life way before Chinese.
- 41 He will have an advantage over other children because of the integrated learning. He understands the design process and can apply it throughout his education and career.
- 42 To be happy at school and not be bored at school and actually collegiate with others to learn.
- 43 Gaining confidence in creating, solving problems, and inventing. Learning to work well with others. Fostering a love of science.
- 44 An educational value that will be beneficial in the future and provide an extensive education.
- 45 Advanced learning.
- 46 That they would receive the challenge of their every day curriculum challenging to think over and above their normal homework.
- 47 That he is more excited and engaged in his education because the teaching included more technology and collaboration and not only paper and pencil work. Having more engaged students encourages more passion about learning; therefore learning is more effective and retained, allowing children to be more successful in furthering their education.
- 48 To continue to develop an appreciation for Science, technology, engineering and math activities. I had another student go through [school] and he also left with a strong understanding of group work/collaboration.
- 49 To be challenged to their level of need.
- 50 They grow up to be independent thinkers able to effectively communicate and collaborate with peers as well as learn the necessary and vital curriculum skills needed to be a smart, well-rounded individual.
- 51 I hope that our child learns to think critically and to effectively work in a team environment.
- 52 They learn to take control over their learning.
- 53 Continued success in all areas of study.
- 54 They will be more confident. Can speak in front of an audience. Can think for themselves.
- 55 That she embraces the problem solving methods learned throughout her entire academic career. I also hope that her interest in STEM subjects is peaked so she will pursue these subjects as a career choice in the future.
- 56 To be ahead of the game in the scientific and math areas.
- 57 My oldest child has been recognized as gifted and I feel they have gotten that due to it being recognized early and adjusted to fit his needs. My child in 1st grade has had problems with reading and that was recognized early and they are improving.
- 58 To be challenged and ready for the next step in education. To make it easier to transition throughout educational career.
- 59 I hope she will find confidence as her education continues and learn to think with "arrows pointing out".
- 60 To continue grow academically as well as through her humility.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 61 To get a more well rounded education aside from learning from textbook.
- 62 Have a love for learning with focus on STEM. Learning how to design things and improve them with design process.
- 63 My hopes for my children is that they become "outside the box" thinkers, realizing that there are multiple ways to solve a problem, that they will engage their creativity and ability to work with other to meet challenges. I hope that my children are comfortable with technology and not afraid of making mistakes but understand that getting to the solution is a process of trial and error often.
- 64 She will find a love of learning and be ready to live a full life.
- 65 That they will be prepared in this new Information Age.
- 66 My hopes for my child by attending stem are that he has a better-rounded education. Originally when we went for the stem program for kindergarten I thought of it as being a perfect fit for him because he is was already showing interest in science and he loves exploring outdoors and he learns very visually. But at the same time I enjoyed the technology that he is able to use in the classroom and some of the great learning tools that they have on there my only problem is I think that the kids need a lot more own individual time with teachers are mentors.
- 67 I want my kids to learn to work as a team and to recognize the importance of a joint effort with their peers. I also hope it helps them gain confidence.
- 68 Thinking differently to solve complex problems.
- 69 Excel in all areas.
- 70 To be a creative learner and to apply learning to everyday life.
- 71 She becomes an independent, life long learner.
- 72 I hope they will have a better grasp on science, technology and mathematics through their academic work.
- 73 To be more prepared for the real world.
- 74 Learn critical thinking skills and choose a science or math-related career.
- 75 To be able to take what they learn and actually apply it in the real world.
- 76 That they are able to excel in their middle and high school programs and eventually get into a good college.
- 77 To have a love of learning instilled within my child by engaging him on all levels...mentally, physically, and emotionally.
- 78 Excel in higher education.
- 79 To give them an opportunity to learn how to learn, how to create, how to innovate, how to take ownership of their learning, and to instill a philosophy of education and life that everything is a process by which we continually make improvements.
- 80 Continue to foster a love of learning while gaining a wonderful education.
- 81 I hope that my child will be able to think independently, think outside the box, work through problems systematically, not give up when things get hard, and learn from failure.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 82 To be able to bring 21st century skills from an abstract philosophy to a relevant, practical and usable way of connecting and creating.
- 83 To be more prepared for college and career field.
- 84 Better thinking "out of the box".
- 85 I was hoping my child would be exposed to an array of scientific discoveries in nature, health, technology and environment. I wanted her to see the hands-on reasons behind understanding math and how each discipline enhances and informs the other.
- 86 To develop a scientific mind and explore possibilities through research, learning in a way that emphasizes these concepts to prepare her for college and a career in the sciences.
- 87 I hope that they all learn the skills they need to be successful adults.
- 88 I want my children to be strong in reading and math. I want them experience different ways to learn by being creative, sitting and focusing and through group settings.
- 89 I would like to see my child has the ability to apply his knowledge to real world problems and issues. As opposed to memorization, I like to see the application of the learning.
- 90 Continuing to be interested in learning and driven to be successful.
- 91 I was hoping for a more one - on - one with the teacher. My child has 3 younger sisters, T home she doesn't always get the attention she needs. I have recently learned that while in class, if she is not concentrating as well, they send her to the hallway to do her work on her own. I feel if my child has a Problem, I should be contacted. I have no relationship with the teacher. She has 25 Students in the am and 24 I think in the pm. I feel my daughter does not get what I thought she would with this STEM program.
- 92 To actually enjoy learning through hands on classes.
- 93 Better education.
- 94 A greater interest in science and math.
- 95 Gain more independence and learn how to think through solutions independently and with others.
- 96 Encourage the idea to question things and find answers on their own.
- 97 Better education, better critical thinking skills, team work.
- 98 Echoing what I have written above, my hope is that my child continues to develop his love of exploration and discovery. Obviously I want this to be the first stepping-stone in his academic career whether it is in the pure scientific fields or branches into something else. My hopes are he develops the confidence and wherewithal to pursue his passions.
- 99 Learning in a way that makes more since to her. Being more involved and not being afraid to speak up and get her opinions and thoughts out there. Getting hands on experience indifferent areas that other schools might not give her.
- 100 To be in an environment where he can strive to reach his goals. To be given even more encouragement to be the best he can be and do the best job he can do. This year the 3rd grade state reading test has casted a shadow over my child that I feel has hindered his learning experience.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 101 I hope that attending a STEM school will help my child in many ways, from being curious as to how things like computers and other technology works to wondering the science behind the various ways our world works. I want my child to feel like they can learn about many things and try to experiment with their ideas and try to design and make whatever they think up.
- 102 That they see the real-life applications of the math and sciences, see that it's fun, and these are subjects they can learn and excel in.
- 103 Most of my problems with my child's education have less to do with STEM and more to do with the student teacher ratios are not intimate enough.
- 104 Learning social skills as a result of the collaborative learning, enhanced opportunities due to the focus on technology and science.
- 105 That he will be able to work well with others as a team and use the design cycle to solve many problems throughout his life. Also, that he will be more prepared for college.
- 106 I am hoping her skills, especially in math, will continue to grow in the years to come. Stem has expanded her education possibilities.
- 107 I don't know?
- 108 Given a chance to live up to his or her potential not someone else's.
- 109 That she enjoys learning and has a good base to further her education in college.
- 110 Good and creative growing.
- 111 Be a critical thinker. Be able to have higher science literacy than regular school.
- 112 I hope my child has hands on learning experiences.
- 113 I hope my child develops an interest in stem related activities. If my child decides those areas are not interested, at least understand & appreciate them.
- 114 Getting an early awareness about each of the STEM disciplines.
- 115 Challenge her, educate her and prepare her for a future.
- 116 To have the STEM principals as their foundations of learning from which in subsequent years their continuing education will be built upon.
- 117 To love to learn.
- 118 That he loves learning and continues to be curious about the world. That he has the skills it will take to succeed in the 21st century.
- 119 Acquiring basic grade level education and expose and experience other new science and technology ideas and products.
- 120 I hope my child has developed a different learning method than would have been available in more traditional classrooms.
- 121 Greater analytical abilities, problem-solving habits, big-picture mindset.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 122 I touched base on this in answer#4 - my biggest hope is for our child to come out from STEM Elementary equipped with new learned skills in research, presentation, organization, time management to help her tackle the challenges that 5th grade brings in a more meaningful way.
- 123 Confidence. Ability to problem solve by using multiple thought processes.
- 124 That she develop more confidence and critical thinking skills.
- 125 More creative, out of the box thinker.
- 126 To learn and thrive.
- 127 Child would do something good after high school graduation.
- 128 She will have a solid education, especially in the areas most needed in today's society. Well prepared for college and a solid career.
- 129 My hopes are already being met. My child is exceeding the school requirements for her grade level.
- 130 To have a lead on her peers in education, with the ability to think for herself, think creatively, and think about how our actions shape the whole world/environment.
- 131 That they are able to look at a problem and come up with creative solutions. That they are challenged to think outside the box and pushed to their maximum potential. That they learn to work with a team and talk through situations. That they are confident in themselves. That they are exposed to a wide variety of subject areas. That they realize that there are learning opportunities around every corner, under every stone, and in every situation.
- 132 My hope is that my daughter is more skilled in the areas of STEM and a better appreciation of it.
- 133 Be prepared for life.
- 134 I want her to be able to go to any school anywhere and be successful. She loves math and I want her to keep loving math and not lose interest.
- 135 An improved sense of how projects work from inception to completion and presentation.
- 136 I think my children have learned great problem solving skills and diligence because of the STEM program.
- 137 My hopes are that they learn how to apply what they are learning to the real world.
- 138 He would have a love for math & science that I never did.
- 139 That she would develop critical thinking skills needed in everyday life.
- 140 Advanced education, too be better prepared for the challenging world, and a better chance too get into a great collage or trade school. Whichever he prefers.
- 141 She will love to learn and become well versed and prepared to work in the real world.
- 142 I hope my child will be a better learner and learn how to use the best method of deduction in every situation to make the best decisions.
- 143 To become a good citizen in behavior, education and character.
- 144 Learn more about technology and math.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 145 That he will be an independent thinker and learner.
- 146 My hopes were for my child to receive a great education. One that would challenge her.
- 147 That they will develop the skills they need to succeed in school and life after school.
- 148 I would like my child to have well developed math skills. I would like him to see how it applies to a multitude of careers. I want him to be a critical thinker who chooses to use all his resources when approaching a problem in life. I would like him to be compassionate and conscientious in his interactions with other.
- 149 Enquiring mind / questioning approach to learning.
- 150 That he will help keep his enthusiasm for science and it will be encouraged to grow.
- 151 To continue finding school exciting, liking projects, and taking pride in being a good student.
- 152 For my kids to be challenged every day and be supported every step of the way.





8. What are the things you like most about Summit STEM? (Please check all that apply.)

	Responses	Percent
Quality of classroom instruction:	128	68.82%
Design thinking:	135	72.58%
Use of 21st century skills (collaboration, communication, problem solving, etc.):	164	88.17%
Enrichment/Intervention:	98	52.69%
Projects/Activities:	112	60.22%
Blended learning/technology:	131	70.43%
Schedule:	34	18.28%
Field trips:	41	22.04%
Morning Spark:	68	36.56%
Exemplary Board Recognition:	53	28.49%
Use of outdoor learning spaces (wetlands, courtyard, paths, etc.):	130	69.89%
Innovation Station:	119	63.98%
Library Museum:	135	72.58%
Health and Wellness:	67	36.02%
Chinese:	45	24.19%
Dramatic Inquiry:	64	34.41%
Music:	73	39.25%
Techie Club/Camp:	35	18.82%
3rd Grade Robotics:	34	18.28%
4th Grade Jr. FLL Robotics:	36	19.35%
2nd Grade Coding Club:	44	23.66%
STEMbot Readers:	43	23.12%





Knowledge Capture

Character Council:	<input type="text"/>	13	6.99%
If other, please describe:	<input type="text"/>	16	8%
Total Responded to this question:		186	85.32%
Total who skipped this question:		32	14.68%
Total:		218	100%

8. What are the things you like most about Summit STEM? ("If other" comments.)

Response Comments

- 1 Everything listed here is great however The thing that I like most is the team atmosphere between the principal, the teachers, and the parents.
- 2 It seems to me this year that going outside to the wetlands has gone by the wayside. Both boys said they've only been there once or twice this year. I remember when my oldest was going at least once a week.
- 3 My third grader LOVED participating in the third grade play. It opened up an interest to dramatic inquiry that he didn't know he had. Shakespeare play that will be held in May. He is very excited about this and plays on his new dramatic inquiry interest. My children love going down to the wetlands; unfortunately, one of my children has been once as part of innovation station this whole school year. In past years, they would regularly go down there and learn. It needs to be utilized more weather permitting of course. Although I support the techie club/camp for the girls. There needs to be a similar opportunity for the boys. Library Museum is a great learning tool for my oldest; he loves learning from [teacher] about all of the "vintage" things and gets very angry when it isn't taken care of by disrespectful students. Exemplary Board is an awesome idea for students to proudly display hard work and be recognized. Love Music, Innovation Station, and Health and Wellness.
- 4 After school Math tutoring.
- 5 Gifted classroom grade 3.
- 6 The focus of compassion that is one of the core values. The students consistently support and encourage each other.
- 7 The kids getting excited about helping charities, toy drives, Ronald mc house, etc.
- 8 This year in second grade he was able to participate in coding club and he absolutely loved it and it would be great if the children were given that opportunity throughout the year. Also another program that was actually really beneficial for my student was the STEMbot readers, I may have mentioned once or twice to that having a STEMbot math would also be really great opportunity for children. I think the mentor ship and being able to know that twice a week you're going to be working with somebody and it really excited my student for reading and I greatly appreciate the program.
- 9 I am excited for my kindergarten student to be able to fully engage in all areas that [school] offers.





(Con't.) 8. What are the things you like most about Summit STEM? ("If other" comments.)

- 10 This year my second grader started one Macy's Day project at home and finished it in class. I thought this was a great way to do it because it forced the kids to finish the project independently without help of a parent or sibling. I loved coming into the school and seeing/being surprised by their final projects. Such a great experience for me... The kids were extremely proud of their projects...
- 11 Lego club.
- 12 The engagement of the teaching staff!
- 13 The variety of options available to meet every child's interests either in the school day or afterschool is what I love about this school. That's why I checked everything.
- 14 I don't understand some of the choices, like dramatic inquiry, character council...What is this exactly?
- 15 3rd grade LEGO club.
- 16 I'd like to see the outdoor spaces used more. How about having class outside occasionally? Or even lunch??





9. What aspects of Summit STEM do you like least? (Please check all that apply.)

	Responses	Percent
Quality of classroom instruction:	11	9.4%
Design thinking:	9	7.69%
Use of 21st century skills (collaboration, communication, problem solving, etc.):	5	4.27%
Enrichment/Intervention:	9	7.69%
Projects/Activities:	23	19.66%
Blended learning/technology:	6	5.13%
Schedule:	18	15.38%
Field trips:	14	11.97%
Morning Spark:	5	4.27%
Exemplary Board Recognition:	2	1.71%
Use of outdoor learning spaces (wetlands, courtyard, paths, etc.):	7	5.98%
Innovation Station:	2	1.71%
Library Museum:	4	3.42%
Health and Wellness:	2	1.71%
Chinese:	35	29.91%
Dramatic Inquiry:	2	1.71%
Music:	9	7.69%
Techie Club/Camp:	1	0.85%
3rd Grade Robotics:	1	0.85%
4th Grade Jr. FLL Robotics:	1	0.85%
2nd Grade Coding Club:	3	2.56%
STEMbot Readers:	2	1.71%





Knowledge Capture

Character Council:	<input type="text"/>	0	0%
If other, please describe:	<input type="text"/>	48	41%
Total Responded to this question:		117	53.67%
Total who skipped this question:		101	46.33%
Total:		218	100%

9. What aspects of Summit STEM do you like least? ("If other" comments)

Response Comments

- 1 That when a child has a learning issue, the school takes so long to actually do anything about it.
- 2 No comment.
- 3 I completely appreciate all the in depth projects they do but for some projects, as a parent I would love for them to simply be a project of fun. For example the Valentine's Box. This project in my opinion is way over board in mapping out all the planning of decorating a box. And on top of that to do it on a book, and trying to include all the necessary facts that have to be on a box. I t might as well been a book report. Not a huge fan of this project.
- 4 I say I dislike field trips and outdoor learning spaces because I do not feel that they are utilized enough. They are practically nonexistent.
- 5 N/A
- 6 Unfortunately, I do not have the ability to rank all, as some do not apply to my child.
- 7 Why not a foreign language that can be expanded on in higher grade levels? I like the concept of being introduced to a foreign language at a younger age, but not if it cannot be built upon in middle school on up. Learning exhibitions are great, but not if they take the place of parties. I am VERY UNHAPPY with the implementation of the workroom. A third grade teacher assured me at the beginning of the year that this is not a punishment. That might have been the idea, but children are sent to workroom if homework is complete but have wrong answers (mark them wrong), does not finish work in class (at least put a 10 minute time limit), and even as punishment for not writing their name on papers. Find another way. It is inconsistent between teachers. Some have 15 min limits, some teacher have children spend their ENTIRE recess doing work. Detention for elementary during recess is ridiculous, recess is not a tutorial period or detention. FIX THIS YEAR!
- 8 I would prefer more field trips. My child does not enjoy [teacher] as a music teacher.
- 9 Everything is STEM based and I believe you should let a kid enjoy certain functions/holidays at school. What happened to classroom parties? Yes learning is the main focus, but let the kids have a little fun as well. Need a good balance.
- 10 My child has not had experience in all of these yet.
- 11 One teacher with 25 students! Too many students in a classroom at one time.





(Con't.) 9. What aspects of Summit STEM do you like least? ("If other" comments)

- 12 There were some communication issues towards the beginning of the year. It would help if information were more centralized for new parents at the school. As it is, we need to receive information from several sources to get the complete picture of what is going on at the school.
- 13 I want more art and music education. It seems like the 2nd grade hasn't use the wetlands this year. I thought last year the wetlands were used mostly for walks not educational experiences. I would love to see more field trip. The collaboration with the Girl Scouts has been amazing.
- 14 I feel that the outdoor learning space is not used to its ability. There needs to be more seating/pavilion/tables, etc. in other outdoor areas besides the playground. Students need to be taken to the wetlands more often for learning activities and not just nature walks. Breakfast is also a negative for me. It is not nutritional.
- 15 N/A
- 16 The workload placed on students. The excessive computer programs for learning.
- 17 Love this school!
- 18 STEM nights and other family activities hosted by the school.
- 19 None that I can think of.
- 20 Why Chinese language and not Spanish?
- 21 N/A
- 22 There really isn't much that I don't like about the school and after recently spending time in school. I have discovered a new respect for all of the teachers and support staff office everyone. On a whole I think that My student needs to be assessed on both an individual level and a program assessment. It's a lot to put on the teachers to try to sit down individually with one of 25 children and say oh he wasn't up to it that day or he doesn't work best in the morning. More teachers or support staff smaller classrooms
- 23 I wish the kids got to go on field trips.
- 24 Too early, yet.
- 25 I like all of the programs offered through STEM. I would like to see additional days of physical education. I would also like to see art class added as an opportunity.
- 26 None of the above.
- 27 I wish there was more music education.
- 28 The amount of homework for a 2nd grader is enormous. If you have 3 children in school it makes it very overwhelming as a parent to oversee and ensure they are doing it correctly and completed on time. There should, under no circumstances be 2 hours of homework every night for a 7 or 8 year old.
- 29 None of the above. I enjoy everything about the program. The only thing that needs to be explained better is the grading system.
- 30 At times homework can be overwhelming for my kids. I do know if they struggle and become frustrated I have them pack it up for the day. When this happens I let the teachers know and they have been great about helping my kids when needed.
- 31 Field trips?? When has there ever been a field trip for pm kindergarten? I think there needs to be field trips!!





(Con't.) 9. What aspects of Summit STEM do you like least? ("If other" comments)

- 32 Homework load for kindergarten.
- 33 The pressure put on the students to pass the 3rd grade state reading test. I find the approach you ALL have inappropriate.
- 34 I only say schedule because lunches are so early... but schedules are difficult - not really anyway around that! :)
- 35 There is not anything that I can say I do not like.
- 36 Kids still need to be kids loss of class parties is disappointing.
- 37 I think the coding club should not be offered unless there is an equivalent club for the boys. My field of study is computer science, so I fully understand the need to get more girls interested in the stem fields. However, by only allowing the girls to participate does send a message to the boys that they are not allowed in that class. The parents may understand the intent, but the boys do not. Please do not offer a club unless it can be offered to both genders. I do agree the girls can be separated from the boys. There are studies that prove young girls learn better when they are separated from the boys.
- 38 Our first grader keeps saying he did not have enough time to eat his lunch, which usually is just a sandwich.
- 39 I am really saddened by the quality of the education my child is receiving, but not at the fault of the teacher. I feel that a 25 to 1 ratio is just too much when you have such a significant number of behavioral issues to handle as well. My child, as well as others who are well behaved (age considering) take a back burner and suffer the consequence of a classroom overrun with behavioral issues. I understand in a public school that there are children on IEP's, being evaluated and/or early treatments for issues not recognized until school, but I strongly believe that at the student/teacher ratio - that the administration needs to step in and provide adequate help for the teachers and these children. Others are being left behind because the focus is on the few rather than on the majority.
- 40 Some of the activities are during after school and some students don't have chance to participate due to luck of transportation
- 41 I would like to see more music, but I understand that the schedule is full with many other great options.
- 42 I don't dislike anything so far.
- 43 The class sizes are too large. Teachers need more support.
- 44 That there seems to be disconnect between here and the middle schools. I understand that the intent is that the kids from here will continue onto the STEM middle school. However, that may not be the case for a number of reasons and I believe that all the programs should know what children are exposed to at the elementary school they are coming from.
- 45 I would like to see some traditional experiences incorporated into the STEM atmosphere (i.e. class field trip to the zoo).
- 46 Not sure yet still evaluating the school. I don't like political correctness.
- 47 N/A
- 48 I understand the trendiness of "Blended Learning" but I am not sold on it. I am glad, however, that it does not seem as intense as last year. I'd still prefer to see it used less. It is not a replacement for real instruction from a teacher.





10. If you could ask for one improvement in the next school year, what would it be?

Responses Percent

Total Responded to this question: 118 54.13%

Total who skipped this question: 100 45.87%

Total: 218 100%

10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

Response Response Text

- 1 That the school listens to parents and doctors recommendations a little bit more. That there is a better system in place to assist kids when they are struggling but have yet to hit the point of needing an IDP.
- 2 It would have been neat for the first graders to have a field trip.
- 3 The only thing I would want is a smaller class size so that this immersive environment can be even more effective.
- 4 Bring back or implement classroom parties around holidays. Please get rid of the walk around high school in their Stem related costumes. I've heard that some of the high school kids can be mean. Some of the elementary kids didn't get candy and were upset b/c HS kids didn't think their costumes were good enough.
- 5 Teachers need to learn more about exceptional children.
- 6 Get rid of "Workroom", it is essentially a detention hour, that occurs when our 3rd graders should be getting a well-needed lunch recess. At the very least, it should be limited to 10-15 minutes of time to allow students to catch up on work, but they should never have to miss their entire lunch recess, especially since impromptu recess breaks don't exist anymore. Let's remember these are still kids, and even adults take breaks throughout the day. The 3rd grade "Workroom" idea needs adjusted right now, not next year. Stop wasting time and money with Chinese, a language class that is not offered at the next levels of school. Why not introduce Spanish, French, or other languages that are already offered in Junior High and High School, allowing our kids to get a head start on those languages, instead of giving them a small glimpse into a language they won't have an opportunity to continue learning in school and will then forget anyway?
- 7 To have more involvement of understanding of the Wetlands and to have more experience with real life experiments.
- 8 More outdoors time, longer recess. Studies have shown that this helps improve learning and concentration. Maybe two recesses a day?
- 9 The amount of homework is overwhelming for the child AND the parent.
- 10 We are very pleased. I currently have no issues to address.
- 11 Nothing as of yet!





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 12 Stop the workroom detention during recess and the unrealistic homework load. An hour of homework at minimum for 2nd and 3rd grade nightly is too much. If workroom is used as a threat to complete homework, then homework expectations shouldn't be an unreasonable goal that takes an hour nightly. Workroom (if absolutely necessary) should be limited to a 5-10 minute block so that the ENTIRE recess isn't taken away and shouldn't be used for kids who complete homework regularly, but miss a question here or there. At the worst limited to 5-10 minutes for habitual homework offenders if it is kept. If it is because a student isn't finished with regular schoolwork, then finish the work during class. Recess should not be withheld as a punishment. If homework is complete but missing elements such as punctuation, mark it wrong. Don't stick them in workroom to complete the assignment over. Make sure homework time is appropriate for age/grade level. Second graders and third graders should not be spending over an hour a night on homework and brought to tears nightly. An hour of homework is way too long for these ages, but if it isn't done all the way because it is an unrealistic amount of time for 7 and 8 year old children recess is turned into workroom. This is sending the wrong message.
- 13 Option for a study hall for my children to finish their HW.
- 14 Make sure the kids have enough time to eat...Those that go to intervention...make sure they don't feel stressed to make up classroom work they missed during that session.
- 15 While I think the STEMbot reader program has a good intent, our experience was that the direction provided by the older kids was inconsistent and, at times, their behavior was not conducive to a productive experience.
- 16 Be more balanced in expectation for 4th graders. They aren't actually in 5th grade yet. Give them a chance to enjoy 4th grade first.
- 17 N/A
- 18 More programs available in the afternoon hours. Tutoring, extra attention in Reading and Math.
- 19 None. I am beyond happy with our experience at [school]!
- 20 I would like to see an after school program/ clubs that my child can join that caters interests such as Drama, dance, playing an musical instruments etc. that also help to build confidence on kids.
- 21 Whole fresh foods for lunch.
- 22 Later start.
- 23 Teachers need to have more one on one time with each student. Parent/teacher conferences are rushed. Fewer students in a class with one teacher.
- 24 A central location where parents can find all of the links, email list subscriptions, etc. for communications.
- 25 Improve 4th grade gifted program
- 26 Art and music clubs after school. I'd even pay if needed.
- 27 Kindergarten needs to have more blended learning. I know they have pieces but I feel they are not taking advantage of them. I hear there is more being done in [teacher]'s class than in my son's class and at times I wish my son were in that room instead.
- 28 Improve teacher communication. Power school is rarely updated with any details; returned papers explain nothing on my child's progress.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 29 I know i-Ready is new, but my daughter (2nd grade) will sometimes spend over 2 hours in one night doing one lesson. This is too long for a second grade student. i-Ready needs some adjustments. My daughter becomes very anxious when it comes to i-Ready, mostly because, if she doesn't "pass" a lesson that she spent over 2 hours on, she has to re-do the entire 2 hour lesson.
- 30 More organic or locally grown food choices during lunch. Using locally grown produce can be linked back into STEM curriculum and also supports our community.
- 31 I think kids still need to enjoy their parties for holiday times. I know it's a lot, but I feel they still need this. We did it in school. Just tired of worrying about the minute parents that complain about everything we try to do. Kids are only kids once!!
- 32 No more Chinese.
- 33 More communication.
- 34 Weekly music class for all grade levels.
- 35 More hands on material and interaction.
- 36 I can't think of anything.
- 37 N/A.
- 38 Communication options other than just Internet.
- 39 The amount of homework needs to decrease, especially at the fourth grade level. I would like to make sure the academic expectations match those of the other elementaries. Not the curriculum, but I feel that many times the expectations at [school] are more than at the other schools, which can stress out the kids.
- 40 Better communication regarding challenges bring faced by the teacher.
- 41 Change in the student schedule.
- 42 A Christmas/ holiday music program. I hate that there isn't anything. It's very much a part of traditions and misses that for my kids.
- 43 Let the kids be kids too. So much focus is on learning that it feels as if they don't have time to just be kids once in a while. The social aspect is important and I think that gets lost in all the teaching/learning/projects/STEM "idea".
- 44 I think that there is good communication with parents, but that this could be increased when it comes to what exactly is being learned in the classroom. I find that my daughter comes home with homework that I am teaching her how to do. I am not sure if it is my individual student or if the material is not accurately being taught within the classroom environment.
- 45 Better communication or more suggestions when a child is struggling.
- 46 N/A.
- 47 That the kids be taught cursive writing! They can't read the written word! The Constitution, Declaration of Independence, etc. Also when a document asks for their signature how are they going to be able too?





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 48 As a second grade parent I have been terrified all year of third grade I'm worried about the assessments I am worried about how my son stresses for these kinds of assessments. It would be nice to have a program while they're still in second grade to start preparing them to succeed in third grade. I feel that the children really need to know how to start learning to cope with all the assessments that they're going to be expected to do well on. With the current standards for third grade and promotional aspects during that year, for a parent we have a very difficult way of trying to help our students. And I know that teachers also have ways in which they need to prepare their students. I think that putting so much stress on them about these test is not a good thing and again having mentors come in having people that understand coping skills and how to cope with stress and find tools and which work for students would be very beneficial. At least then while there are still in second grade they can have the opportunity to start seeing what's works best for them.
- 49 I wish the school could retain intervention specialists. It is important for children to have consistency with those specialists year after year.
- 50 Lego club at the younger age levels.
- 51 N/A.
- 52 None.
- 53 I think more field trips or visiting learning centers would be great for the students. I also think students would benefit from more physical education.
- 54 Better teacher to student ratio.
- 55 Less I ready more actual class time learning. My daughter says she has to do i-Ready three times almost everyday lately. More options for indoor recess other than watching movies.
- 56 I wish my older child were pushed more in his curriculum.
- 57 Decrease the student/teacher ratio.
- 58 Not sure.
- 59 More field trips: COSI, the Zoo, and OSU engineering events.
- 60 Teach cursive. More emphasis on handwriting in general. Also, more emphasis on typing skills. I realize that these are difficult to fit in, so I would gladly pay for these as after school activities! Handwriting, cursive, typing, coding, dramatic inquiry...even music lessons and all sorts of other "clubs" could be run after school. I pay for after school care...I would much prefer to pay to have my child engaged in learning something or improving skills. I know my child would prefer it, too!
- 61 Less testing.
- 62 Full day kindergarten instead of optional and pricey wrap-around care.
- 63 Do away with Shutterfly. Why can't we simply be able to check our children's assignments and progress through email?
- 64 None!!





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 65 I feel that some of the "design challenges" were geared too much towards using art as the sole process. Designing a valentine box or a float, in my opinion, did not lend themselves to the improve part of the process because once the product was made little could be done to improve it. When other factors such as moving parts were added, a bit more design was incorporated. I also was a little disappointed in the Technology part of the experience. Blended learning is evident but using technology in other aspects during the school day did not seem to be a priority.
- 66 More programs for younger children KG and 1st grade.
- 67 My 3rd and 4th graders work so hard at school all day and come home and have so much homework. I feel like in order for this school to keep up with its reputation the teachers are having to overload these kids with homework and projects. My kids have so much work that they can't even participate in extra curricular activities. My 4th grader has had many nights that ended with an 11pm bedtime and tears because of the workload. This child is extremely smart and doesn't struggle in school and to see the stress and worry makes me upset. My 3rd grader does struggle and the class moves along so quickly there is not enough time to catch up and I think a little less one issues projects and homework would help the focus be on studying. My other opinion is that the school start time should be 9:00 not 8:00. That extra hour of sleep would do wonders for these kids. That is not my main concern though, just a thought.
- 68 I love the option for Chinese at school but feel like one day a week isn't enough to retain the information. I wonder if the kids did one less day of i-Ready or Alex and did an online practice session of what they learned...
- 69 The homework this year in particular was more overwhelming than any other year...it was difficult for us to keep up the pace in the fall.
- 70 Less students per teacher.
- 71 Later start time.
- 72 Smaller classrooms would lead to more focus learning for children in need of a little more assistance.
- 73 Nothing comes to mind.
- 74 More time in the wetlands and use of outside learning facilities, my child has only been one time this school year.
- 75 I understand the thinking behind Chinese within a STEM program, but I would like to see a Spanish option as we continue to grow as a nation of Latin American immigrants.
- 76 I really thought the lack of holiday parties was disappointing. What the school chose to do instead were an ok alternative but as a kindergarten parent I was really excited to come in and help out the kids. Some of the design projects were confusing as to what exactly what was being asked to do. Having these be a bit more structured (at least for kindergarten when they are getting help from parents) so it's easier to understand. We aren't at the school to ask questions and sometimes it takes a little bit of time for teachers to respond to emails.
- 77 Different language.
- 78 Again--stop pressuring our children!
- 79 A more realistic child to teacher ratio...
- 80 Teach typing!!!!





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 81 More notice and clarification sent home to parents on the really big projects. Budgeting time is very difficult when there is limited time in our daily lives, so we need as much notice as possible. We have spent some very long weekends finishing projects instead of spending family time. It also seems like a lot of the projects hit all at the same time. If it could be a little more spread out that would be helpful.
- 82 More wetland experience...she did more in 1st grade than any other year.
- 83 Maybe?
- 84 Return class parties and give kids a little down time like more recess and books.
- 85 Just a little bit more activities that involve the school, the children, and the pants together.
- 86 More coding club.
- 87 Smaller class sizes.
- 88 Bring back room parents and seasonal parties (Halloween, Christmas/winter, and valentines/heart healthy). Let the parties just be a party and make the time worthwhile. 30 minutes is not a party. Stop integrating the design cycle into parties. Please find other opportunities to integrate the design cycle in the children's other schoolwork.
- 89 Please pay more attention to the kids and encourage them to speak to an adult when they see bullying or just when kids keep picking on another, AND the adult must act on it!
- 90 I honestly have zero complaints.
- 91 Using the STAR test as a sole measure of on track/off track. I understand it is time efficient to administer, but I am not sure it is a complete picture of a student's literacy abilities.
- 92 Provide transportation for students participating in after-school program activities.
- 93 If Chinese is desirable in 4th grade--I believe the course should remain a part of the curriculum in future years. Otherwise, I feel that the students should be offered a Spanish language introduction since that is offered in the future.
- 94 Add a 5th grade?
- 95 Change the foreign language to Spanish.
- 96 Earlier lunch time.
- 97 Better parent teacher communication about my child's progress. I have only spoken to her teacher three times the entire year. This includes saying hello at drop off one day, one parent teacher conference, and her first day.
- 98 Probably streamline communication between parent and teacher.
- 99 Everything looks fine.
- 100 I would love it if there were a full day of class for Kindergarten but that is probably not going to change.
- 101 Smaller class sizes, or teacher's aids.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 102 Class size, as in the teacher to child ratio is WAY too high. My child does not receive her individual educational needs on a consistent basis. I find that to make up for it, we do more here at home during the week. This means that Monday through Friday she does not have much time to be a kid. Time at home is spent on homework/school work and does not leave much family/play time.
- 103 That there seemed at times to be so much going on that it became overwhelming. Spreading things out throughout the school year more would be my suggestion.
- 104 Please read above.
- 105 I have a child that will soon attend and I think an all day kindergarten would be very beneficial.
- 106 Figure out a way to inform parents how their child is being taught to do a certain skill in a certain subject. Common core has flipped me around and it is very difficult to help my child with their homework if I don't understand how it is being taught. I feel like I am confusing her when only I'm only trying to help using the methods I know. It is a hard concept to get acquainted with for both students and parents. Communication is key!
- 107 Field trips off school grounds... Like to COSI.
- 108 For the district curriculum to be less demanding. I feel as parents, there is a lot of pressure to complete at home projects and schoolwork; the amount of time spent on schoolwork at home is quite a lot.
- 109 Healthier none fating food chooses at breakfast and lunch.
- 110 More time for recess/lunch.
- 111 I would suggest having Spanish available, since many people in Reynoldsburg now speak this language.
- 112 More robotic class.
- 113 I would say the teachers need to listen to the children and parents concern more.
- 114 I wish there was a gifted program in the STEM school. Unhappy that we have to choose between STEM and gifted.
- 115 More groups and clubs. I'd love to see a coding club offered for all of the grade levels. Or science based summer camps/workshops. Maybe a Minecraft Education club? Perhaps these could be used as school fundraisers? How about being buddied up with a STEM high schooler?
- 116 More information on different clubs, groups, and tutoring.
- 117 N/A.
- 118 More after school activities/ programs.





11. How can you contribute to supporting or enhancing the school's goals for the coming school year?

	Responses	Percent
Career Day:	29	19.86%
Field trip chaperone:	91	62.33%
Student mentoring:	18	12.33%
STEM Night presenter:	10	6.85%
PTO engagement:	33	22.6%
Classroom volunteer:	84	57.53%
After-school club volunteer:	24	16.44%
4th Grade camp chaperone:	23	15.75%
If other, please describe:	14	9%
Total Responded to this question:		146 66.97%
Total who skipped this question:		72 33.03%
Total:		218 100%

11. How can you contribute to supporting or enhancing the school's goals for the coming school year? ("If other" comments.)

Response Comments

- 1 WatchDOGS and other volunteering, as I am available.
- 2 Watchdog.
- 3 We are considering visiting STEM schools to encourage interest in the transportation/engineering fields starting at a young age. I work for ODOT in HR.
- 4 I am an active volunteer and will support anything that benefits the children. I try to help out with as many activities as I can.
- 5 Advocating for more plan time for teachers.
- 6 TEDX club.
- 7 I still have a child at home so it is hard for me to volunteer but hopefully when she starts kindergarten, I will be able to contribute more.
- 8 4th grader ... so I'll probably be focused next year's school.
- 9 I am a teacher myself in another district. My daytime availability is limited, but I am willing to do anything needed to take ownership and an active role in my child's learning in the hours that I do have.





(Con't.) 11. How can you contribute to supporting or enhancing the school's goals for the coming school year? ("If other" comments.)

- 10 I could help with technology since I deal with satellite technology for DBS video service all day. I could demonstrate how a satellite dish works and also we have a lot of swag items and potentially could try to work on ways to get free stuff to the children that they need...whether that's headphones or other cool stuff premium providers like HBO, Starz, Showtime, Encore, or Epix overly supply us with.
- 11 I don't know?
- 12 Technology related project(s) that can be assisted from home over the Internet.
- 13 I have too small babies and a 5 year old. I would like to help, but it would have to be from home.
- 14 As a parent of a 4th grader we won't be with the school next year. But I have high hopes for the development of a Parent Advisory Council, (maybe similar to PAWS at Baldwin) which could be another avenue of involvement for those parents who don't want to participate with PTO.





Knowledge Capture

12. I feel strongly about my child having the following at Summit STEM (please check all that apply):

	Responses	Percent
Music:	131	71.58%
Innovation Station:	133	72.68%
Chinese/Foreign Language:	83	45.36%
Physical Education:	139	75.96%
Outdoor experiences (Wetlands):	150	81.97%
Content-related field trips:	104	56.83%
Library:	137	74.86%
Dramatic Inquiry:	86	46.99%
Design thinking:	138	75.41%
Morning Spark:	57	31.15%
Intervention/Enrichment opportunities:	110	60.11%
21st century skill instruction:	115	62.84%
Blended learning/technology:	118	64.48%
4th Grade camp:	45	24.59%
If other, please describe:	10	5%
Total Responded to this question:		183 83.94%
Total who skipped this question:		35 16.06%
Total:		218 100%





12. I feel strongly about my child having the following at Summit STEM ("If other" comments):

Response	Comments
1	Foreign language that can be built upon in higher grades. Wetlands have not been utilized by either of my children this year, which is a shame because the space is a prime space to learn about so many things. Art that isn't once a year right before the art show, clumped in with dramatic inquiry and innovation station. Blended learning as long as it is a tool that is not overused or used as a substitution for general instruction. Most we have found, for example I-ready reading, ALEKS math, Achieve and RAZ are used in class and then assigned as homework at home which means a lot of time sitting in front of a computer trying to complete slow, dry, uninteresting, computer driven instruction that takes forever. Maybe use it in class sometimes or at home sometimes. Not at school for an hour, then at home for 20 minutes daily. My child is burnt out from these sites.
2	Gifted classroom grade 3 and 4.
3	Field trips or in-school activities to experience culture Exhibition days.
4	More teachers or staff support that they are in each classroom being able to help the teacher make sure the individual students are not overlooked. From my own experience volunteering in the school I have found that children really respond well to having one on one interaction with the same person. They look forward to it they try a little harder and they also find it easier to talk to that person. That's my personal experience.
5	I do not feel that my child will EVER need to speak Chinese so this is a disservice to them and a waste of valuable classroom time.
6	They need to have 4th grade camp this year!
7	How cool would it be to work on a way to create electricity via wind power that could help reduce costs and help the environment...or creating stuff that the senior center could use...or getting involved with endeavors that could better the community...maybe having the children have a day where they volunteer for a charity or good cause. What great life lessons would this show? Or a trip to a hospital to show meet doctors and nurses...get them engaged with the world so they can see what's out there.
8	Tutoring program is very beneficial too
9	Foreign language yes but not Chinese.
10	NO political correctness.





13. Where at Summit STEM have you seen your students engage in high-quality STEM work? (Please check all that apply.)

	Responses	Percent
Science:	107	59.44%
Math:	106	58.89%
Language Arts:	63	35%
Social Studies:	39	21.67%
Design Challenges:	127	70.56%
Learning to apply "Habits of Mind":	35	19.44%
Innovation Station:	77	42.78%
Wetlands:	72	40%
Courtyard:	9	5%
STEM Night:	61	33.89%
Family Art Night:	32	17.78%
Robotics Club:	43	23.89%
Library Museum:	65	36.11%
Morning Spark:	28	15.56%
Dramatic Inquiry:	39	21.67%
Specials:	25	13.89%
Foundational Learning Time:	17	9.44%
Fusion Learning Time:	19	10.56%
If other, please describe:	8	4%
Total Responded to this question:	180	82.57%
Total who skipped this question:	38	17.43%
Total:	218	100%





13. Where at Summit STEM have you seen your students engage in high-quality STEM work? ("If other" comments.)

Response	Comments
1	Coding Club.
2	Coding Club is amazing!
3	Anything that let's them have the freedom to use their imagination.
4	Her reading has really taken off. I would like to see some kind of AR thing.
5	There are probably other areas but I'm not there to see them firsthand.
6	Loves Chinese class.
7	Design challenge.
8	I just haven't seen the others in action.

14. What is the best example of STEM work your student has engaged in at Summit STEM?

	Responses	Percent
Total Responded to this question:	116	53.21%
Total who skipped this question:	102	46.79%
Total:	218	100%

14. What is the best example of STEM work your student has engaged in at Summit STEM? (Open-ended)

Response	Response Text
1	Any and all of the design challenges that are sent home by the teacher. My son understands what STEM means to him as a student and he is able to implement all of his ideas based on what he has learned. It has enhanced his logical thinking and his creativity.
2	He did a wonderful job with his float creation. He started by deciding his theme, and putting his design on paper, and building it from there. The design challenges are terrific! My Kindergartner is becoming a good problem solver and just an all around thinker! Thank you!
3	Coming up with her own ideas for projects, having to put it in writing and then actually creating it. She can see the idea she initially came up with and how she went from start to finish and she is proud of what she has accomplished.
4	Design Challenge.
5	STEM night.
6	Designing different projects.
7	Utilizing the design cycle in various design challenges.





(Con't.) 14. What is the best example of STEM work your student has engaged in at Summit STEM? (Open-ended)

- 8 Use of the 3-D printer.
- 9 The creative thinking presentations they have to put together.
- 10 Float challenges.
- 11 One of the things he really enjoyed was building his own game for the day parents came to the school recently.
- 12 His design challenges.
- 13 I think any of the challenges are good examples of STEM work. They have to plan, design, test, and improve most of the challenges. It is also a lot of fun to do. I think that any of the things that allow children to problem solve and feel like they are a part of solving the problem at hand.
- 14 Power point presentations.
- 15 His Thomas Edison light bulb presentation/report/project. I'm not sure what that project name was overall...but [respondent's child] AND the entire class really dove in and learned something special they'll never forget. He created the experiment/project based on what Thomas Edison did many years ago. I was so proud of him and his entire class. I was also glad that others got to parade thru and look, touch, and talk about the projects. The kids really got to feel proud of their hard work.
- 16 The design challenges have been really fun for my son to stretch his imagination and meet the goals at hand.
- 17 Overall, my child is better able to collaborate with others - even ones that they prefer not to work with, which is a real life skill they will need.
- 18 N/A.
- 19 Project to create a form of communication. We created a satellite using items such as popsicle sticks, the inside of a broken light bulb and the bottom of a two liter bottle.
- 20 The design challenge for the 13 original colonies - the project had to move and represent something about the colony of his choice.
- 21 Some of the projects.
- 22 I like the Math fluency where students have to solve 20 Math problems in 1 minute. Many students struggle in Math and gearing them early in Math should help them later.
- 23 Float design challenge and weekly design challenges in her classroom.
- 24 Writing sentences. Reading.
- 25 Social Studies.
- 26 The design challenges require my child to think through the problem presented to produce work. They have been fairly open-ended challenges but I don't think we can expect too much for kindergarten students.
- 27 Design challenges.
- 28 My daughter loves her math stations.





(Con't.) 14. What is the best example of STEM work your student has engaged in at Summit STEM? (Open-ended)

- 29 I feel like I am not very aware of what Kindergarten has done. In 2nd grade the community unit had many different stem pieces. I liked that my child really understood the ideas and created things like they were engineers. My child really enjoyed it. I liked the fact that there have been exhibition days for him to show off his work as well. He has enjoyed sharing with his grandparents.
- 30 2nd grade - the making of the community out of cardboard boxes.
- 31 Too many to list.
- 32 Coding, intervention, reading groups.
- 33 Marshmallow catapult in fourth grade.
- 34 Robotics Club.
- 35 Robotics Club.
- 36 Projects. Online assignments.
- 37 Participation in the coding club was the highlight of my son's year!
- 38 Use of the design process for the projects.
- 39 She loves the library and reading. Loves being employed by the library too!
- 40 Any experiments with [teacher] in Innovation Station.
- 41 Lego league in 3rd & 4th grade.
- 42 Special projects outside of the normal school work schedule.
- 43 The float projects and using her imagination to create a design cycle.
- 44 Projects that are planned out at home and put together at school.
- 45 My son is very intrigued by the coding he is learning at school.
- 46 Wetlands project 3rd grade.
- 47 The Design Challenge.
- 48 Design Challenge.
- 49 He really enjoyed the design challenge. In first grade he got to the egg drop one and was completely 100% part of the project. When he did his float he wanted to do something that was currently being taught in class so he did a float on a rural setting. When he came in for the new challenge for the Valentine him communication box he knew exactly what he wanted to do right away a payphone and he basically had it all worked out in his head had a time it turned out really great. I was unable to make it down to his classroom to see him present his. But I was able to be in school that day and see a lot of the children who did for centers in a lot of different ideas and they all look like they really worked hard and I think with it being the hard party and everything else that maybe their hard work might've gotten overlooked just a bit.
- 50 The design challenges allow the kids to think outside the box and create an idea they came up with.
- 51 Egg Drop Challenge in Kindergarten.
- 52 Design Challenge.
- 53 All the design challenges!





(Con't.) 14. What is the best example of STEM work your student has engaged in at Summit STEM? (Open-ended)

- 54 My 2nd grade student prefers to engage in-group work/projects and loves physical education. He does not do well with individual worksheet work and busy work. My kindergarten student prefers work that she can be creative with. She won an exemplar award for an art project. I hope that the school can also art class for the students.
- 55 Design Challenges.
- 56 Watching him work on projects at home and using a "stem brain" to do it.
- 57 Lego Robotics.
- 58 Design Challenges.
- 59 The Design Challenges.
- 60 FLL robotics competition.
- 61 Hard to choose...there are so many, particularly since I don't always get to see what my child has done. [Teacher] and the Innovation Station, coding club, the design challenges...too many great ones to list!
- 62 Design Challenges.
- 63 Various design challenges and everyday technology use even at the kindergarten level. [Teacher] is amazing!
- 64 Their own personal codes.
- 65 During my child's 3rd and 4th grade year, I feel she had a bit more STEM use. Working on the natural science project out in the wetlands for presentation to lower grades, using moving parts for a design challenge, making circuit boards to use with lower grades and making power points in first grade come to my mind when thinking of true STEM processes being used.
- 66 Design challenges (so far I have heard about 3) over the past few months, working with a group, collaborative learning.
- 67 I love the projects that are completed at school. The STEM projects that are made at home are frustrating because the other kids parents end up doing it all and it's a competition between the parents. When you have multiple kids in the school it is extremely stressful on the parents. There have been a couple in school projects and I was so impressed with the work my kids did and it was nice to know the other kids all did their own work.
- 68 Lego Robotics has been by far one of my child's favorite STEM experiences.
- 69 I love the wetland learning opportunities for the kids as well as the design challenges. However, I'd like to see the design challenges be representative of the grade level. I see too many projects that have heavy parent involvement (mine included), which takes away from the kids learning. But I felt the expectations were such that it was necessary.
- 70 Halloween costume design challenge.
- 71 The parade exhibit and the valentines exhibit.
- 72 Interest in building.
- 73 Working with the design challenges every month.





(Con't.) 14. What is the best example of STEM work your student has engaged in at Summit STEM? (Open-ended)

- 74 That's a tough one to answer, but I would say the various design challenges has been a fantastic example. Our son has developed ideas and ways to put these ideas into practice. Maybe not the prettiest of displays, but he has worked hard and been critical of his projects. Not so much in the aesthetics but the design and functionality of each piece. That is the type of thinking I like to see.
- 75 The Design Challenges.
- 76 Not seeing any this year.
- 77 My child has really found their creative side attending this school. It is really just a shame that this has been put on the back burner due to a reading test.
- 78 Using the design process for their two design projects for kindergarten.
- 79 Dramatic inquiry and information station.
- 80 I would have to say his design projects, but I cannot leave out the collaborative work because socialization is a big thing that my son needed to work on, so that he could work with and value others opinions because he tends to rely a lot on his own knowledge.
- 81 I don't know?
- 82 Design projects.
- 83 Design cycle projects.
- 84 Float design.
- 85 He tells me when he is using his complex thinking to do/build things.
- 86 He designed and made a Valentine's box for the February design challenge. It turned out really well.
- 87 Science project, star student of the week.
- 88 Invention convention projects.
- 89 FLL.
- 90 All the hands on projects that involved the Design Cycle.
- 91 Shoebox floats.
- 92 Robotics.
- 93 Creating a float that displays/represents a core value.
- 94 Egg Drop Design Challenge.
- 95 Design Challenges.
- 96 Creative and technology.
- 97 All I have the privilege of seeing is the homework and the projects. In Kindergarten the Science and Math are not too incredibly different from standard learning. However the use of technology in homework surprised me. A good base in technology is essential in this day and age. Before long I am sure my children will be teaching me things. In regards to Engineering: I love how they are encouraged to design something, then create it and then look for ways to fix or improve on their design. They learn to not only work on their own but to work as a team. These are excellent skills that will serve them well for the rest of their lives.







(Con't.) 14. What is the best example of STEM work your student has engaged in at Summit STEM? (Open-ended)

- 98 The in class collaborating.
- 99 My child is in first grade, she uses STEM work in a variety of areas. However, thus far nothing particularly stands out.
- 100 In kindergarten, the letter design challenge. In first grade, the valentine boxes. In second grade, the community they build. In third grade, the genius hour. In fourth grade (to date), the city of ember lesson.
- 101 Design Challenges.
- 102 I liked being able to go in and see how a design challenge works and all that it entails. I was blown away with what the teacher got the kids to do and say as they were working.
- 103 Coding.
- 104 The best example of STEM work that my student engaged in was her Valentine's project last year that had to be based on a book and also have a moving part.
- 105 Design Challenge.
- 106 Monthly Design Challenges.
- 107 Advanced math.
- 108 My children love to show their creativity through their monthly projects.
- 109 Design Challenge.
- 110 Wetlands exploration.
- 111 Learning the steps needed to complete projects.
- 112 The design challenges are the best example. Kids design and build, plus they have to write. It builds their skills in all areas, and they get feedback when they present.
- 113 There are so many to choose from but probably the Lego Robotics club.
- 114 He enjoyed the third grade Lego club.
- 115 He loves making power points and now makes them for fun.
- 116 Sorry new student.





15. Would you recommend Summit STEM to other families?

	Responses	Percent
Yes: 	182	98.38%
No: 	3	1.62%
Total Responded to this question:	185	84.86%
Total who skipped this question:	33	15.14%
Total:	218	100%

16. Is there any feedback you would like to share with the school administrators about your child's experience at Summit STEM?

	Responses	Percent
Total Responded to this question:	94	43.12%
Total who skipped this question:	124	56.88%
Total:	218	100%

16. Is there any feedback you would like to share with the school administrators about your child's experience at Summit STEM?
(Open-ended)

Response Response Text

- 1 We couldn't ask for a better school for our son to be at. The amount of time and effort that teachers and [principal] have put in to helping us make sure our son is successful is not only amazing but invaluable to us as parents. I've never felt like I was alone in trying to help get a handle on his learning disability and that is what has made him successful. It takes a village and we have a great one at [school].
- 2 This is the right school for my child! The all around approach to learning, the morning meetings and sharing of information the Exemplar Board, and awards and the design challenges are wonderful. As a parent, the homework is overwhelming, but it is making my child a more successful student, so I'll take it!
- 3 We had an older child go through another elementary school within the district and had an amazing experience. When the time came to enroll our younger one, we thought we'd give the Stem approach a try. Honestly, this has not been the greatest experience for us. Our child's teacher is harsh, seems uncaring and constantly overwhelmed. I find it disappointing that there is no field trip for the kindergarteners, they hardly get to play on the playground, there was only one classroom party, and they spend a lot of time on the computers. I'm just not sure how much of this is due to different learning requirements from when our older child was in kindergarten or the different learning experiences due to Stem or the teacher's general lack of enthusiasm for teaching. Maybe a combo of all three.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at Summit STEM? (Open-ended)

- 4 I love this school and am proud to tell people that my child is part of this experience.
- 5 I really wish that the teachers in the building were more knowledgeable about exceptional children. Each time I have gone into the building to have a conference with a teacher about my child they have said that we think he maybe ADHD or had some other diagnosis but they have not asked the appropriate professional to address the issue. I know that the appropriate person is the school psychologist but the teachers at [school] do not seem to know that. They are always giving what I call a "lay educator's" personal assessment.
- 6 I'm not a fan of the amount of homework in fourth grade and the quality of the homework. I also have a hard time with the 'blended learning' opportunities.
- 7 Get rid of "Workroom", it is essentially a detention hour, that occurs when our 3rd graders should be getting a well-needed lunch recess. At the very least, it should be limited to 10-15 minutes of time to allow students to catch up on work, but they should never have to miss their entire lunch recess, especially since impromptu recess breaks don't exist anymore. Let's remember these are still kids, and even adults take breaks throughout the day. The 3rd grade "Workroom" idea needs adjusted right now, not next year. Stop wasting time and money with Chinese, a language class that is not offered at the next levels of school. Why not introduce Spanish, French, or other languages that are already offered in Junior High and High School, allowing our kids to get a head start on those languages, instead of giving them a small glimpse into a language they won't have an opportunity to continue learning in school and will then forget anyway? Now, in regards to my children's experiences, they have been very good. Administrators and teachers have always been very approachable, caring, and helping for any situations that have arisen. We love [school] and often recommend it to others. Our children love the administrators and teachers and are happy going to school at [school].
- 8 Please keep doing all the hard work you have been doing. It is completely seen how much everybody cares for the students.
- 9 I think it is a wonderful school and my children are so fortunate to be able to attend. I'm sad that my oldest has to leave the campus. I really wish that the voters chose to build a middle school on campus.
- 10 I do strongly feel that there tends to be a lot of homework. Especially for the 4th grade. As a parent I do feel a bit lost at times. When they have homework, a lot of times there are no instructions along with it.
- 11 We have been very pleased with the efforts of the teachers both academically as well as support for the child as a whole.
- 12 I would like to share that both of my children's experience at [school] has been overall very positive. We love most of the teachers that we have had, the atmosphere, and [principal]. The self contained gifted class has been challenging and for our son and has commented that he has not been bored this year like past years. We understand that it is a fairly new concept with the structure falling on the teacher's shoulders, but as parents, have found it very inconsistent. Several things are started and never finished, switched halfway through, and flat out forgotten about. If it is confusing for parents to keep up with all the changes occurring, I'm sure it is confusing for 8 and 9 year old children.
- 13 Overall, we have been very pleased with our STEM experience! Love the teachers and administrators. You can tell the staff is a very caring, knowledgeable group of people.
- 14 Thank you for the great work that you do. It is appreciated.
- 15 N/A.
- 16 More programs, tutors, extra help with homework during the hours of 2:30pm-5:30pm.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at Summit STEM? (Open-ended)

- 17 [School] has been such an amazing school for [student], he didn't start until 3rd grade but I wish it had been sooner. The changes I have seen in him and his maturity are outstanding! I cannot say enough good stuff about [principal], all of his teachers and all of the staff!! Thank you!
- 18 My child likes the Math fluency. She likes to challenge herself to be perfect so she can move to higher level. This should continue that children should be challenged to move to a higher level.
- 19 My child really loves attending school everyday.
- 20 As a first time school parent, the beginning of the year is daunting. Communication during this time is key and we had some issues in that area. Improvements there should involve some kind of streamlining of how the information gets to the parents. Having to keep track of several different email sources (teacher, office, PTO, etc.) in order to get all the information is a challenge for people just trying to get their kid to school on time with all of their clothes on.
- 21 Excellent.
- 22 My child feels safe and cared for by her teacher. I love the community you have provided her at [school]. Thanks!
- 23 I like the idea of Brain Boosts but I don't think my children are getting them. I have heard they are a way to get kids thinking or moving in the morning but neither of my kids know what they are when I ask if they did them. I understand if Kindergarten looks different being a half-day program but my 2nd grader needs his brain turned on in the morning. The staff, in my experience has been wonderful. I hope our experience only continues to get better as my children grow and learn!
- 24 Overall I would say my child has received an average education and not all teachers at STEM but forth the needed effort to teach.
- 25 See above concerning i-Ready - some of the lessons take a 2nd grade student over 2 hours to complete. I like the idea of i-Ready, but I feel like some adjustments need to be made. If a lesson is going to take over 2 hours, please don't also assign a math sheet, 20 minutes of reading and a story to analyze as well.
- 26 Keep up this great work!
- 27 Chinese is a waste of time.
- 28 Great opportunities for my child that are unmatched at any other school in the area!
- 29 Confusing at times and miss directed.
- 30 Great staff, teachers and administrators. Thank you
- 31 Absolutely love STEM! We came for the STEM opportunities but fell in love with the staff! You guys are great
- 32 I love, love, love this school and program!
- 33 We are so very thrilled to have our child attend [school]. Every adult connected with the school is engaged and truly seems to love their jobs.
- 34 Make sure there is enough staff to cover all educational needs.
- 35 We're very happy with the education our girls have received at [school]. Have remained in the area and district because of [school].





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at Summit STEM? (Open-ended)

- 36 Chinese isn't going over so well. My child is bored and the only time she talks about Chinese class is when she is complaining about it. Will the students be continuing with Chinese once they leave elementary or will Spanish be the only option?
- 37 I feel very fortunate that my daughter is able to attend a STEM school in elementary. I have worked in higher education for over 10 years and truly understand the importance of a STEM education. I was impressed that my 2nd grader could participate in coding at such a young age. I appreciate how involved the teachers and [school] community is. It really is like a big family. I think that the level of education received is beyond what would be received at a non-STEM elementary school.
- 38 While I understand the STEM program is intended to be more challenging, a less rigorous homework schedule may help kids that are a bit slower to keep up and not get as flustered.
- 39 N/A.
- 40 None.
- 41 So far, we are very happy with our experience.
- 42 What can I say, I have a child who wants to get up every single morning and go to school. He wants to go to school when he sick. From the time he works in the morning and see us ladies in the office until he leaves he is always smiling always happy. After recent teacher meeting I had mentioned that I think [student] would benefit from some extra help in math and his teacher was able to set up a tutoring session before school with a high school mentor. I love how much everybody really cares about all of the students and it's a really great place. I have seen all of the hard work that all of the teachers put in along with all of the support staff and the ministration and my own personal time that I volunteer in classrooms the kids really enjoyed it and I'm glad to help.
- 43 No.
- 44 So far, I really like the [school] experience.
- 45 [School] is an excellent program and I would recommend the program to other families.
- 46 It would be better to have a smaller student to teacher ratio for the younger children as they need a lot more individual attention than the teacher is able to provide.
- 47 I love [school] but I also love the traditional form of learning. I just think sometimes less computer/tablet work is needed. More teacher student time is just as important. Have you actually done an i-Ready assignment? Some of them are down right brutal to sit through. I think some traditional things should be introduced, spelling, penmanship. But [school] is great and I am happy that my children have this option.
- 48 None.
- 49 No.
- 50 Excellent staff and leadership. Great communication with parents.
- 51 The teachers and staff at [school] are wonderful!
- 52 My 4th grader started at [school] in kindergarten and the experience has been amazing for both him and me. The teachers have been fantastic and the principals have the students' best interests at heart. The entire program is top notch.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at Summit STEM? (Open-ended)

- 53 Thank you for your genuine investment in my child. Thank you for providing her the opportunity to be a step ahead in her learning and for teaching her the importance of learning for learning's sake. Thank you for providing her instruction that she has carried over into "civilian" life, and keeps in the forefront. The staff and leadership at [school] are to be commended on every level. As a parent and educator, it means everything to me that my child gets to be a [school] Spark! Thank you.
- 54 Mostly good experiences but the amount of homework is making him begin to hate school and that is very discouraging as parents.
- 55 I still am having problems with the length of time for some students to eat their school bought lunch. I have a child in tears when they get home because they had 5 minutes to eat and were made to throw his tray away before being finished. All because he is in a classroom with obnoxious loud children, mine gets penalized and is the last class to get his food. We have learned that packing is the way to go but on certain days he would like to buy, and know he has time to eat it comfortably. There has to be a way to ensure all the kids get the correct time to eat. Back when we were in school, we dismissed at a staggered times to the lunchroom, got straight in line. We at lunch then had recess after we finished and walked to recess. I know this doesn't seem smart but it would ensure kids having enough time to finish. Please consider some changes! Thanks!
- 56 [School] has a caring, engaging and hardworking staff that show genuine love of learning, children and educating the whole child.
- 57 Please continue this program. It is so great to have alternatives in a public school system.
- 58 This year has been extremely stressful and I feel like I'm homeschooling my kids because of the overload of homework. I love the staff so much and love this school but the workload is just a lot. I hope it can be improved next year...I have heard tons of parents from different grades agree but they don't want to say anything. People need to speak up.
- 59 The STEM program and teachers are the only reason we are in this district. We believe this is a great opportunity and want our kids to have this experience.
- 60 My overall experience with [school] has been wonderful. I love the staff, opportunities provided, and classroom instruction.
- 61 I have been very impressed so far with the school and am looking forward to the years to come.
- 62 More parent teacher interaction. I need to know if there is a problem with my child. If she needs to complete work in the hallway numerous days a week - this needs addressed with me.
- 63 It is a great learning environment!! Please keep supporting the stem program!!
- 64 I cannot begin to express how grateful I am to have my son at [school]. A great program all around with a fantastic staff. Why muddy the waters...let's keep it simple. My one beef is about the district...why in the world would you start school August 10th? I've had to rework a vacation and business trip because of such an early start. Let's fix this.
- 65 I believe I have expressed my concerns.
- 66 I don't want to go into too much so I don't reveal whom my child or me is, but I wanted to say thank you to everyone at the school for helping us out so much. Kindergarten has been a little rough for my child; it's brand new to them because they had no daycare or preschool experiences beforehand. My child is still having some problems we're working through but they have improved SO much since they started school. Thank you [school]!!





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at Summit STEM? (Open-ended)

- 67 Please work on improving the student teacher ratios...thing about your own child when you consider it...retain our best teachers...spend the most % of our money on this and the learning will follow.
- 68 There is too much homework beginning with 2nd grade through fourth. I love the fact that a language is taught. I do not think Chinese was the best choice. The video teaching is not successful. Also, typing needs to be taught to these kids. They are constantly using technology and it is required for testing. It is pretty disappointing that a better job hasn't been done with this.
- 69 My son has been at [school] since Kindergarten and is now in fourth grade. He would not have been as engaged and learned as much at any other school. He lives and breathes the design cycle and is quite the problem solver. The instruction he has received has been outstanding.
- 70 We adore [school]! Sad to be moving on this year...
- 71 Maybe. I'm not sure?
- 72 The teacher is very engaged and works well with the different aspects of all students involved.
- 73 Projects for the second grade seem difficult for a child with no prior art experience and difficult to complete on top of other assignments.
- 74 I am not able to spend much time at the school. My answers may not reflect all the STEM actions happening simply because I'm not there to see it. Teachers have been fabulous and the STEMbot Readers program is something my son looks forward to every session.
- 75 Very happy with the STEM school so far.
- 76 Keep up the great work.
- 77 I volunteer in the classroom and am always impressed with [principal]. She is all over the building, visiting with teachers and students and in general seems very connected to what is happening in the classroom. My child's classroom teacher is so knowledgeable and her classroom is such a peaceful place. We are really happy at [school]!
- 78 I am forever grateful that we were a part of this amazing community of learners. I grew so much as a parent and enjoyed watching my kid grow up in this marvelous atmosphere. THANKS!
- 79 We are honored to have one already graduated [school] student and another one on the way to graduating this year. There are wonderful teachers who are making positive difference each day by challenging themselves and with that serving by example to their students, motivating, and inspiring them to do more. Great leadership from the principal, [principal] as well! In one word, "STEMtastic"!
- 80 None.
- 81 Keep up the good work!
- 82 Please, lower class size. I know this is something the teachers and staff want as well. I do understand it is largely out of the teacher's control. Also, I do not like the focus on testing. I would prefer a truer focus on learning. Less homework- my child has a nightly "spark" sheet to complete. In addition she is suppose to log into i-ready, practice sight words and spelling, etc. These are not things listed on the "spark" sheet as homework but are expected nonetheless.
- 83 Overall, I am very satisfied with my experience at [school]. I know that not always will we agree but I have never had a person there not willing to work through issues so that everyone is happy with the outcome. In everything the student is the focus. I love how approachable everyone is and that I feel very comfortable coming in to the school.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at Summit STEM? (Open-ended)

- 84 Wonderful teachers and staff!
- 85 After talking to other parents, it seems that the teacher is essential in helping both the parents and child transition to the STEM style of learning. Try your best to retain good teachers because it is unfair to the first year student who is trying to adapt with a teacher who is also in their first year of STEM learning.
- 86 Not at this time.
- 87 I've had nothing but positive experiences with school administrators.
- 88 Persevere and continue to use the skills you are teaching!
- 89 None.
- 90 Our child enjoys going to school and has learned a lot in the short time she has been there. We are very happy with the results and with [teacher].
- 91 We love [school]. Our child is a K-4 graduate of [school] and we have loved every minute of our experience there. We recommend it to everyone we know, and I am confident that the current administration is going to make it even more amazing. I hope they continue to reach out to the kids as they move on to JH and HS, use them as volunteers, have them come back and talk about their experience. Keep engaging parents and get them involved. But please format weekly emails, they are overwhelming to K-2 and much important information is getting overlooked in the mass of writing.
- 92 [School] is the best school in the district. Both my children have had an amazing experience at [school] and I am sad that it will be over this year for our family. From the building to the teachers, the principal, the parent involvement, the quality of instruction - everything is just amazing. You can clearly see the difference in how much time and planning was put into the STEM program at [school] compared to how it's been thrown into the other schools. At [school], STEM is at the core of everything they do and it feeds into all elements of education. The gifted program has been a great addition. [Teacher] made a huge difference in my son's interest in learning and desire to want to do the best that he can. I wish that the other schools offered half of what [school] does.
- 93 We love SRE and I appreciate that it has evolved a bit in the years that we have been there.
- 94 None at this time.





Knowledge Capture

17. Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?

	Responses	Percent
Strongly agree:	114	61.62%
Agree:	46	24.86%
Neutral:	13	7.03%
Disagree:	12	6.49%
Strongly disagree:	0	0%
Total Responded to this question:	185	84.86%
Total who skipped this question:	33	15.14%
Total:	218	100%

18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?

	Responses	Percent
Daily:	22	13.66%
Weekly:	100	62.11%
Bi-weekly:	11	6.83%
Monthly:	4	2.48%
If other, please describe:	24	14.91%
Total Responded to this question:	161	73.85%
Total who skipped this question:	57	26.15%
Total:	218	100%





18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you? ("If other" comments.)

Response	Comments
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- | | |
|----|--|
| 1 | I think the communication is fine the way it is. |
| 2 | On an as needed basis, which the teachers have been absolutely amazing about. We hear the struggles and the success. |
| 3 | At least weekly. Communication from some teachers seems to be inconsistent. |
| 4 | Some teachers are very good at communication. Others I feel lost and never hear from them. An email once a week, or better yet and updated website would be great. |
| 5 | I selected "other" and now can't un-check the box. I don't have any complaints about teacher communication. |
| 6 | My son's teacher does a great job communicating via email on a weekly basis with specifics on what they've done and will be doing. It's very helpful! |
| 7 | I think they do a great job! |
| 8 | Whenever there is an issue. Don't wait until the end of the quarter. If there are no issues, then once a week is good. |
| 9 | No change needed. |
| 10 | This is already happening! |
| 11 | Monday's not Tuesday's. |
| 12 | Weekly is fine unless the student is struggling or lagging behind. Then a more personal one on one communication on an every other day basis, to keep a parent updated would be great. |
| 13 | Communication is fine. |
| 14 | My child's teacher sends out a newsletter weekly and keeps us very informed. |
| 15 | This is already happening. |
| 16 | Just let us know about upcoming projects and events, what we need to be preparing for. Email is best because I don't always check the Butterfly page; it's hard to remember to go on there every day. But if I'm email something I see it right away. |
| 17 | Both teachers communicate through email at least once a week with expectations and current information. If anything else comes up they are both good about getting back to me. |
| 18 | Would like to see a few more pictures...otherwise communication is GREAT! |
| 19 | 2 times a week. |
| 20 | Weekly is fine—but there needs to continue to be more frequent interaction via the agenda or small updates as things arise throughout the week. Even for 4th graders. |
| 21 | It may depend on the week. I would like more communication from my child's teacher about how she is doing individually in the classroom in addition to the generalized weekly email that goes out to all the parents. I have had some communication problems with my child's teacher this year. There have been several, several times I have sent out an email and never received a response. |










(Con't.) 18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you? ("If other" comments.)

- 22 It depends, if it is just basic classroom/school/grade-level information weekly is fine. If it is specific to my child as soon as possible.
- 23 It is necessary for me too know what my child is being taught, so I can better help, or discourage opinionated teaching such as I may disagree with; for example; gay marriage, non Christian teaching etc.... I'm not saying this is going on at STEM, just that I hear about things like this going on in public schools sometimes, and I am watching for it at all times, that's all I'm saying. So far I have no problem with any of the teachers. I love them all. I love the [school] for my child.
- 24 I love agendas. Please, please, please continue to emphasize this. I am trying very hard to get [district STEM middle school] on board with using them too. I think this is a big reason that 5th graders are having such a tough transition.

19. Do you feel that the Administrative staff at Summit STEM communicates with you on a regular basis regarding what is happening at the school?

	Responses	Percent
Strongly agree: 	104	56.22%
Agree: 	66	35.68%
Neutral: 	14	7.57%
Disagree: 	1	0.54%
Strongly disagree: 	0	0%
Total Responded to this question:	185	84.86%
Total who skipped this question:	33	15.14%
Total:	218	100%





20. What is your preference for communication from the school administrators? (Please check all that apply.)

	Responses	Percent
Text messages:	81	44.26%
School website:	49	26.78%
Weekly Tuesday email:	153	83.61%
Morning Spark:	6	3.28%
Facebook:	60	32.79%
Twitter:	11	6.01%
Evening meetings:	18	9.84%
Office hours:	8	4.37%
Parent Informational Meetings:	45	24.59%
"One Call" phone/email messages:	56	30.6%
If other, please describe:	11	6%
Total Responded to this question:	183	83.94%
Total who skipped this question:	35	16.06%
Total:	218	100%

20. What is your preference for communication from the school administrators? ("If other" comments.)

Response Comments

- 1 I do not use social media so phone, text or email is the only communication I will use.
- 2 I love [principal]'s emails.
- 3 Evening "fun" activities.
- 4 In person, texting and emails are impersonal.
- 5 Email anytime.
- 6 I liked the weekly messages from [principal] but I wonder if a more "newslettery" format would be easier on the eyes and quicker to digest.
- 7 Weekly email is definitely the best way. I see it right away; don't have to go to any special site to look for it.





(Con't.) 20. What is your preference for communication from the school administrators? ("If other" comments.)

- 8 **Email.**
- 9 **Email for normal communication text for urgent matters.**
- 10 **Communication has been top notch from all, teachers and principal as well. It is greatly appreciated everything you all do. Thank you for striving to improve and build upon what STEM already is. Continuing being forward thinking and working together for the best of our students is the way to go! (Smile)
"Learning is an ongoing journey, not a final destination" – Eleanor Roosevelt.**
- 11 **I think that including links to the school website within the weekly emails for additional information will make emails shorter and make better use of the time put into the school website.**





Reynoldsburg City Schools [RCS] STEM Middle @Baldwin Road Junior High 2016 Parent Survey Report

This report provides a preliminary look at the survey responses for the ReynSTEM STEM Middle @Baldwin Road Junior High 2016 Parent Survey.

The document presents bar charts for survey responses for Qs 1-3, 5-6, 8-9, 11-13, and 15. Questions that provided the option for respondents to add an open-ended "if other" comment are presented as submitted. Responses to open-ended questions (Qs 4, 7, 10, 14, and 16) are also presented in this document as submitted.

Thematic analysis of open-ended questions (Qs 4, 7, 10, 14, and 16) and open-ended "if other" comments will be presented in a second document to be issued as a follow-up to this report.

SURVEY PROTOCOL

The survey was drafted on January 20, 2016 and circulated for review and revision. The final version was completed on February 3, and STEM Middle @Baldwin Road Junior High launched the survey on Thursday, February 4, 2016. The survey remained open until Tuesday, March 1, 2016. The survey was administered via a secure web-based platform (SurveyMethods®) designed for conducting a confidential and anonymous survey.

The survey had 243 total respondents, with a total of 200 individuals who completed the survey. Note: 40 respondents completed *only* Q1, "Agreement to Participate," but did not respond to other questions within the survey.

SUMMARY OF SURVEY QUESTIONS AND ISSUES

Q2 is a profile question.

Q4 asked parents to define what STEM means to them in an open-ended format.

Q3, Qs 5-10 and 15 are questions regarding parent's views on STEM Middle @Baldwin Road Junior High as a STEM school. Parents were asked to indicate their choice for a STEM school, level of satisfaction with the STEM program, their hopes for their child, what they like most and least about the school, and where they would like to see improvement. Parents were given a set of responses to choose from, including the choice of "other" with the option of providing an open-ended written response for Qs 8-9. Q7 (hopes) and Q10 (improvements) allowed for open-ended responses, and Q15 asked if parents would recommend STEM Middle @Baldwin Road Junior High to other families.





Q11 asked parents to reflect on how they can contribute to support or enhance the school's goals for the coming school year and included an open-ended response.

Qs 12-14 and 16 asked parents specific questions about STEM education at STEM Middle @Baldwin Road Junior High. Q12 invited parents to identify what courses, clubs, or opportunities they felt strongly about their child having at the school and included an open-ended response. Q13 invited parents to identify where they have seen their child engage in high quality STEM work at STEM Middle @Baldwin Road Junior High and included an open-ended response. Q14 was an open-ended question asking parents to describe specific examples of their child's engagement with STEM at STEM Middle @Baldwin Road Junior High. Q16 allowed parents to share additional observations about their experience as a parent, or about their child's experience at STEM Middle @Baldwin Road Junior High.

Qs 17-20 addressed communication with parents from teachers and school administration. Q17-18 asked about current communication from their child's teachers. Q19 asked about current communication from school administration, and Q20 asked for preferred methods of communication from school administration including an open-ended response option.





Knowledge Capture 2016 ReynSTEM Parent Survey: Baldwin

1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rcs-stem-school-dd/>).

	Responses	Percent
I agree to participate in this anonymous survey:	243	100%
Total Responded to this question:	243	100%
Total who skipped this question:	0	0%
Total:	243	100%

2. What is your child's grade level? If more than one child is enrolled in STEM Middle @Baldwin Road Junior High, please check all that apply.

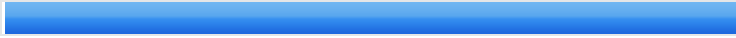
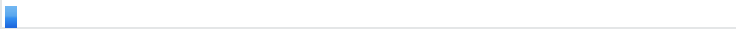
	Responses	Percent
5th Grade:	65	32.18%
6th Grade:	53	26.24%
7th Grade:	53	26.24%
8th Grade:	62	30.69%
Total Responded to this question:	202	83.13%
Total who skipped this question:	41	16.87%
Total:	243	100%





Knowledge Capture

3. Did you choose to send your child to STEM Middle @Baldwin Road Junior High because of the STEM program?

	Responses	Percent
Yes: 	200	99.5%
No: 	1	0.5%
Total Responded to this question:	201	82.72%
Total who skipped this question:	42	17.28%
Total:	243	100%

4. What does "STEM" mean to you?

	Responses	Percent
Total Responded to this question:	165	67.9%
Total who skipped this question:	78	32.1%
Total:	243	100%

Response Response Text

1	Increased collaborative learning and project based learning particularly in the math and science.
2	Challenging + hands on learning. Interactive teachers and classes.
3	A new way for my child to learn.
4	It means learning together in a hands on experience that stretches how we think.
5	Science technology engineering math programs designed to challenge students to problem solved and think outside of the box
6	Science, Technology, Engineering and Math. A focus on these principles.
7	A strong emphasis on Math and Science.
8	Science based hands on learning.
9	Normal classes that are STEM enriched, clubs and electives with a STEM focus
10	A different more interesting way to learn. Something that keeps my child interested and motivated.
11	A school experience dedicated to creating creative, complex thinking, independent learners.
12	An in depth experience over a regular school setting.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 13 Science technology engineering and math.
- 14 Problem solving. Group work.
- 15 Blended learning with emphasis on science, technology, engineering and math.
- 16 It means that my child gets the opportunity to experience not only the basic foundations of school, but also even more than that. Science technology engineering and math are four great and different well focused on topics that are great for my kids to experience every day.
- 17 It means lot to me. My kids are doing excellent jobs in there. They are working well. They are getting smart every day.
- 18 A model of learning which uses a design cycle and integrates several disciplines into projects where the kids learn multiple subjects at the same time.
- 19 Science, technology, engineering and math subject fields.
- 20 Science, technology, engineering, math... Collaboration, cooperation.
- 21 Science Technology Engineering and Math - a way for young students to begin to think and respond analytically to experiments as well as experiences and to embrace life with a goal to develop into rational, logical thinking human beings.
- 22 Learning with a focus on mathematics, and technology.
- 23 Science, technology, engineering, math.
- 24 STEM means project based curriculum, emphasis on science technology engineering and math, and using real work problems to learn content.
- 25 It means my child is using science technology engineering and math to solve everyday problems.
- 26 Science Technology Engineering Mathematics To me STEM is a different method of teaching children from the typical/normal method. Prepares them for a more "real world" modern education in college as well a profession.
- 27 The STEM program to me is learning to apply science in everyday life. Learning problem solving and applying it for a better future.
- 28 Science, technology, and math.
- 29 Science, technology, engineering, and math.
- 30 Science, technology, engineering, and math.
- 31 Better type of learning for my child.
- 32 Hands on, keeping kids interested, combining material so it works across all subject areas Teaching and learning independently as well as in groups Using tools and curriculum that are current and in line with today's world.
- 33 Enriched science, and math education.
- 34 Science, technology, engineering, and math - basically a better education.
- 35 A different approach to learning outside of simple note memorization. Project based, science focused.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 36 Science Technology Engineering Mathematics... a start in the right direction for all students into the real world.
- 37 Better education great choices.
- 38 Excitement from my son about going to school.
- 39 Learning through trial and error problem solving.
- 40 Science, Technology, Engineering, and Math. Hands on, project based learning.
- 41 It means to be in the more scientific, electronics and math area of learning.
- 42 Training before college while getting a grade school education, with classes that prep kids for occupations in science technology engineering and math.
- 43 To me, a STEM education means the opportunity to learn in a modern world and experience many different types of technology that will be found in the workplace. It is not about memorizing information for weekly tests. Emphasis is placed on learning various problem-solving skills and using real-world examples rather than everything from textbooks.
- 44 Something new.
- 45 Science, technology, engineering and math - the integration of all of these components in every aspect of learning/teaching.
- 46 I was under the misunderstanding at first that it was learning with a math/science focus. Now I know it means a lot of project based learning/inquiry learning, etc.
- 47 A better understanding of today's technological world.
- 48 It is a more hands on approach to teaching. My child will receive more attention.
- 49 A MORE INTEGRATED AND HANDS ON WAY OF LEARNING, WITH A FOCUS ON SCIENCE AND MATH, BUT NOT TO THE EXCLUSION OF ARTS OR LANGUAGE OR HISTORY.
- 50 A new hands on way of learning.
- 51 Strategies that engage minds.
- 52 Hands on learning in today's society is extremely critical. To go along with science, technology, engineering and math, I feel that home economics should be brought back. Along with learning about how to deal with finances (credit cards, balancing check books, typing tests).
- 53 A head start.
- 54 Science Technology Engineering and Math experiences should extend my daughter's academic experience in a way that promotes her to decision make and have the opportunity to refine and redesign her efforts.
- 55 Emphasis on technology and hands on learning in science.
- 56 The chance to use real life examples while learning core curriculum. The ability to learn and use the design cycle.
- 57 Innovative, challenging, fun.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 58 Applied learning.
- 59 Science and technology-centered lessons incorporated into most areas of the curriculum.
- 60 STEM represents everything my son loves.
- 61 An opportunity for my child to learn the importance of working in a team environment. Because, the real world operates in that manner.
- 62 Giving my child that EXTRA learning.
- 63 STEM allows my daughter to embrace her creative and inventive side. She enjoys math and science.
- 64 More practical education.
- 65 Using hands on approach and connecting real world applications by allowing the students to put what they are learning into what has and is currently happened in our world today. By doing this they are shown that they can contribute to developing and contributing to real life problems at any age.
- 66 Science Technology Engineering Mathematics. A different way of learning and expressing what has been learned.
- 67 Awesome learning opportunities with a focus on Math & Science.
- 68 STEM is an innovative educational model that scaffolds learning in the core subject areas of scientific inquiry, technological design, and mathematics while integrating language arts.
- 69 Stem is an excellent opportunity for young minds to learn about math and science. The structure emphasis it's great. Stem keeps the attention of the students by tapping into what the young people are interested in.
- 70 Science, Tech, Engineering and Math: Exposing our kids these disciplines and possible careers. Building a strong foundation.
- 71 Education with an emphasis on technical and real life application.
- 72 My daughter attended the STEM elementary school. STEM is cutting edge innovative learning. It is engaging and where the world is heading. Engineering technology focusing on Math and science and incorporating it in all areas of learning.
- 73 Obviously Science, Technology, Engineering and Math. But to me it really means a way for our nation to equip our students with skills to compete in a worldwide economy.
- 74 A world of wonder learning and education.
- 75 For my family it means my very bright son now loves his school and doesn't feel bored, or smarter than everyone. He feels engaged every day. He is finally enjoying his education, no matter what else is happening at school. He had a few instances where he felt bullied and I asked him if he felt a different school would be better and he flat out refused because he loves his school so much.
- 76 Steam means to me that it is a more advanced way of learning.
- 77 That the curriculum being taught is Science, Technology, Engineering and Math focused. Students should be given problem-based learning.
- 78 Alternative to traditional education.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 79 Aside from science, tech, engineering and math, I see it as integrated learning. A process of learning that incorporates many school subjects to learn and understand one idea. A very well rounded process of learning.
- 80 Science Technology Engineering Math. Serious Technical Education Material.
- 81 Science Math and Technology.
- 82 It means that the focus is incorporating math and science process into everyday process to allow children to connect with this area of study.
- 83 STEM means that my child will get the best education they deserve.
- 84 STEM means to me Organized.
- 85 It represents the future.
- 86 Science technology engineering math focus based education.
- 87 A whole new level of education.
- 88 Using the design cycle to problem solve and create new ideas. There is a focus on science, technology, engineering, and math. There are project-based lessons/activities.
- 89 Science Technology Engineering & Math...Building, "Hands On!"
- 90 It means project-based learning with math, science and technology.
- 91 Science technology engineering and math. It's a program that uses teaching styles and techniques that appeal to these areas in light of real world stuff.
- 92 That my child will be challenged in their daily task.
- 93 Providing a curriculum that better prepares our children.
- 94 Science Technology Engineering and Math - giving students skills to be competitive in today's ever-changing technological advancing world including problem solving and critical thinking.
- 95 Hands on, real world approaches to learning and problem solving.
- 96 Science, Technology, Engineering and Math based education.
- 97 An opportunity for children to excel in math, engineering, and science.
- 98 Science!!
- 99 Science Technology Engineering Mathematics, bottom line smart kids that love science.
- 100 My child can learn more things at [school] then other regular schools.
- 101 More hands on and faster paced learning.
- 102 That there will be hands on learning with various conclusions at times. STEM is not an "in the box" style of teaching.
- 103 Creativity.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 104 Special Learning.
- 105 Learning about technology, math and engineering concepts.
- 106 Blended learning.
- 107 It means an education with an emphasis on science, technology, engineering, and math, also an education that centers on collaboration. What my hope is, is my child will be more prepared for real-world situations and your education will be more relevant than it otherwise it would have been.
- 108 Advanced ways to teach kids to better prepare them for college.
- 109 Science Technology Advanced Math.
- 110 Focused, creative education.
- 111 A different way of teaching my child, and not the traditional way of teaching. More hands on activities, and learning new ways to solve problems.
- 112 Learning science technology engineering and math related subjects.
- 113 STEM gives students to experience different curriculums that will most likely be their future.
- 114 Science technology engineering math.
- 115 Courses that are based on STEM provide hands on learning experience and help students to develop the critical thinking skills that are necessary for life-long success.
- 116 Science technology engineering math.
- 117 A school that emphasizes Science, Technology, Engineering & Math in their everyday curriculum.
- 118 Meaning of STEM to us as a family, hands on learning in and outside classroom. Cutting edge technology access, group as well as one-on-one assistance. Positive, healthy, fun, exciting, and safe environment for learning. STEM challenges our son.
- 119 To me STEM is a trusting school that helps my children's brains grow.
- 120 "STEM" means a better learning environment for my child who has ADHD.
- 121 A curriculum and learning environment tied to Science, Tech., Engineering, and Math.
- 122 Focused learning on subjects my child will use in "real life"
- 123 STEM means more than its acronym. To me, it addresses an educational paradigm that focuses on inquiry-based learning that allows for students to "figure out" what to do/how to learn with guidance from their teachers. It accounts for individual differences in learning ability and style, and offers opportunities to solve problems in creative/innovative ways. It follows a design/inquiry process that allows for in depth planning, collaborating and revision.
- 124 Good school for my child.
- 125 An opportunity to development an understanding that these focuses are not separate of one another but a collaboration of what's to come. I most appreciate the creative out-of-the-box thinking when tackling a "problem."
- 126 A different modality of thinking.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 127 The focus is more innovative learning; hands on. Not structured, busy bee, learning. More out of the box singing.
- 128 The idea is great but implementation is week.
- 129 Science Technology Engineering And Math.
- 130 Advanced math and science.
- 131 Learning in a more hands on way. The focus is mainly on the science, technology, math and engineering.
- 132 Advanced and technical.
- 133 A more "hands on" type of learning that is focused on things that will help them to be more successful in life.
- 134 Learning in a non-traditional but more modern way that helps students prepare for a more technical world.
- 135 Science and math.
- 136 Science, technology, engineering, and math. The program is an innovative way for my child to learn and gain the skills needed to succeed in today's society that the normal approach to education does not provide.
- 137 It means my child will have a better education and the skills needed to be a productive adult.
- 138 Careers that will be continually in demand in the future.
- 139 Project-based learning where there is overlap between the 4 core courses.
- 140 Science Technology Engineering and Mathematics.
- 141 Focus on applied math and science. Integration of a topic across all subjects. Project based learning. Real world problem solving. Critical thinking.
- 142 Learning outside the normal scope of a normal school. Allowing my children to use things they like to learn and not be board.
- 143 Science Technology Engineering Math The teachers will use all these factors to help them students prosper faster than most (students at other schools)
- 144 "STEM" means the growth of intelligence in a student.
- 145 To me, it means that my child has an opportunity to learn in a unique and relevant ways that will help them succeed further in life. Science and Technology is the focus of the world around us, and where it is continuing to go for many years to come.
- 146 Science, technology, engineer, and math.
- 147 Hands on learning...focusing on "STEM" classes.
- 148 Learning by using more hands on experiences with a focus on science, technology, engineering, and math.
- 149 Helps my child be ready for collage and more hands on hand learning.





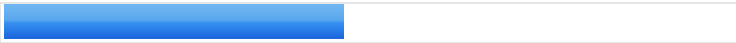



(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 150 That the programs my child will be focused on will be based from Science, Technology, Engineering and Mathematics.
- 151 More hands-on. Project based learning, focusing on tech-based jobs.
- 152 More out of the box thinking, keeps kids engaged in problem solving with math and science.
- 153 A more hands on approach to learning that is geared toward science and technology.
- 154 Practical learning.
- 155 That my child gets a hand on education. They have had a very good experience going through the grade school STEM program and I hope it continues throughout high school.
- 156 Challenging environment.
- 157 Science, technology, engineering & math.
- 158 Different style of integrated learning.
- 159 High level of learning.
- 160 A innovative and creative way to learning.
- 161 If I had to describe the program in a few words they would be developing, growth, innovative
- 162 Advanced Learning in Science, Technology, Engineering and Mathematics.
- 163 STEM to me means higher education.
- 164 "STEM" – besides the obvious acronym means more opportunity to not only be better prepared for the future. Whether it's in the classroom (college) or on the job. They will have a better grasp on problem solving and critical thinking. As well as a strong background in Math and Science. Which, I feel less will give them a strong base no matter what they choose to do.
- 165 Science, technology, engineering, and math.









5. How satisfied are you with the STEM program at STEM Middle @Baldwin Road Junior High?

	Responses	Percent
Very satisfied: 	88	43.56%
Somewhat satisfied: 	111	54.95%
Not satisfied: 	3	1.49%
Unsure: 	0	0%
Total Responded to this question:	202	83.13%
Total who skipped this question:	41	16.87%
Total:	243	100%

6. How satisfied are you with our ability to meet your child's individual educational needs?

	Responses	Percent
Very satisfied: 	90	44.78%
Somewhat satisfied: 	101	50.25%
Not satisfied: 	10	4.98%
Unsure: 	0	0%
Total Responded to this question:	201	82.72%
Total who skipped this question:	42	17.28%
Total:	243	100%





7. What are your hopes for your child as a result of attending a STEM school?

	Responses	Percent
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Total Responded to this question:	158	65.02%
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Total who skipped this question:	85	34.98%
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Total:	243	100%
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Response	Response Text
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- | | |
|----|--|
| 1 | Increased capacity to accept math and science challenges. |
| 2 | That he will be pushed to his full potential, as well as building his self-confidence. |
| 3 | My child will not attend [a STEM school] next year. My child did not receive what was promised and communication between school and home was horrible. I thought it would get better after last year but actually got worse. |
| 4 | To find their individual strengths and to develop a career they are happy with. |
| 5 | A better understanding of the technological world with academics in core classes to aid the technology of today and the future. |
| 6 | That when they get a 'real' job that they are prepared. Every job uses computers and I want my child to be proficient in all aspects of it. |
| 7 | To be critical thinkers, to be creative, to have a strong science and math background, to be exposed to engineering and technology. |
| 8 | Heading on to the [Stem High School]. Hopefully graduating with his associates for college, then heading onto a good college. |
| 9 | I want my son to excel. I want him to go above and beyond classroom learning expectations. I want him to be excited about learning and to gain independence. I want him to develop his own unique interests and opinions. |
| 10 | Getting an overall well rounded education to better her future. |
| 11 | More engagement in science and design and math. |
| 12 | To excel thorough out his remaining years within the school system and beyond. |
| 13 | I hope that my children will get the right educational system that they need to not only succeed now and I'm high school, but in college, and living their own lives in the future. |
| 14 | To enrich their knowledge. |
| 15 | That he will continue to learn in an environment that inspires him and goes into the world with a problem-solving attitude. |
| 16 | They would be more proficient, when considering peers not enrolled in such programming, in the STEM fields. |
| 17 | Different learning experiences. |





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 18 That he will be a thinker and not just a doer. That he will question and not just react. That he will innovate and not just reiterate.
- 19 We are hopeful that he takes the knowledge from STEM and applies that towards his future. Allowing him to excel in college with a solid foundation for learning.
- 20 I hope that my child will be more confident in approaching any task, academic or other, and be able to draw on his knowledge and also be able to think outside the box.
- 21 To focus on areas of strength and to increase learning in all content areas to become career ready learning soft skills for success as well as academics.
- 22 I hope that he is able to learn to solve everyday problems using the skills he learns at STEM.
- 23 My hope is to help develop him into understanding what being challenged is and how to address those challenges. To pull out from within him rather than allow him to "skate" through the curriculum; to pull it out within him to give him the confidence that he is lacking.
- 24 I hope my child gets a jump-start in a STEM based career.
- 25 To obtain a good education with added concentration.
- 26 Good prep for high school/college.
- 27 To have a career in technology, which is where the world is going.
- 28 To look at a situation to learn and know there are different ways of learning.
- 29 To continue to ask questions and find the answers. To have a solid understanding of the STEM code...science, technology, engineering, and math.
- 30 That my kids develop the skills in math and science, as well as communication skills.
- 31 More prepared for what high school and college have to offer.
- 32 Prepared for high school level academics.
- 33 That he gets a start in the real world.
- 34 Better education, better job.
- 35 A career in science.
- 36 Learning through problem solving.
- 37 To have a more practical approach to learning and thinking. To have a firm grounding in science and math.
- 38 He will be able to have better study skills and apply what he has learned into his future.
- 39 Learning skills at a young age for his occupation, giving him extra years to perfect them before entering his career.
- 40 I hope that he is a good problem solver and learns to be adaptive to his situation and surroundings. I want him to be confident in his abilities and to develop leadership and team player skills. I also want him to get a chance to explore different careers.
- 41 New approach to learning.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 42 I hope he continues to be challenged, be a leader and good collaborator and problem solver.
- 43 I hoped more learning...
- 44 Preparation for secondary education.
- 45 Receive a better education. He will be more challenged.
- 46 THAT HE WOULD CONTINUE TO LOVE SCHOOL AND EXCEL IN IT!
- 47 Critical thinker and problem solver; prepared for HS and beyond; earn HS credits so that he can advance more quickly once he enters HS; experience a variety of STEM career fields.
- 48 Better education and preparing for college. Better skills for the working world.
- 49 Get college ready.
- 50 It is my hope that she can take all educational experiences to the next level by entering a college prep high school atmosphere ready to meet it's challenges.
- 51 I hope my children have a strong base in technology and are able to think logically and creatively.
- 52 I want to see her understand and utilize the design life cycle on all of her projects in order to improve quality of her work.
- 53 Interest in future careers that are not typically taught in "regular" middle school.
- 54 Gain practical knowledge, develop critical thinking, and become well rounded.
- 55 I hope they have increased confidence with their abilities to master current, and keep up with future, advances in science and technology as it relates to the world around them.
- 56 Being able to thrive based on his interests and learn in new, innovative ways that he wouldn't experience in a non-stem school.
- 57 To have the necessary educational fundamentals to be ready for college.
- 58 To give my child extraordinary learning of Science, Technology, engineering and Math.
- 59 I was hoping that all the kids that attend [a] STEM [school] wants or is passion at the sciences and not just going.
- 60 To learn how to solve real world problems.
- 61 Stretching theirs minds to think outside the box. Not just learning facts but being shown how they have been applied and how they can help take learning further.
- 62 Independent self motivated learner able to access technology.
- 63 Love of learning through inquiry based learning.
- 64 I expect my child to be able to apply their talents both in education and social skills to secure a knowledge base that will assist the decision in academy pathways. My child should be able to apply what they have learned to real world problems.
- 65 To get a good understanding and a grasp on science and technology.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 66 Disciplined and challenging curriculum.
- 67 A good solid foundation preparing him for high school.
- 68 Challenging her in math. Engaging electives dealing with technology and engineering.
- 69 That he will see the possibilities to change the world through this knowledge.
- 70 To get better grades.
- 71 That he finds the thing he enjoys, and he can pursue his interests in robotics and math.
- 72 I hope that my child will have a new perspective on things and learn to do things in more creative ways.
- 73 That my children will graduate with strong problem solving skills, analytical skills and critical thinking skills. I want them to be able to think outside the box.
- 74 He would attend classes that further his knowledge in technology and science.
- 75 A very well rounded understanding of all subject matter learned in [school] grades.
- 76 To sore above and beyond my education when I was in school and learning and advancing his learning and education.
- 77 Get Basic knowledge of Science, Math and accelerate her knowledge in future.
- 78 To understand the concepts to improve in these areas.
- 79 I would like for their mind to expand, and for them to be about to get better than their goals.
- 80 My hope of my child as a result of attending STEM is to be a surgeon.
- 81 Advancement academically and preparation for high school.
- 82 That he will gather an education that helps prepare him for high school and college.
- 83 Getting straight A's.
- 84 Be a better problem solver and feel confident to be able to think through ideas/problems and work together with others to create/design/problem solve.
- 85 She would transition into the Stem field of her choice AND be successful at it.
- 86 To continue to grow as a thinker and be to continue with his passion for science and technology.
- 87 That they will be better prepared to a career or college.
- 88 Exposure to stem, prepared for college and her career of choice.
- 89 Better problem solver that can think outside the box.
- 90 Ability to apply knowledge, collaborate, and problem solve throughout their educational careers and in the work place.
- 91 Learning that is different from traditional school.
- 92 To become a better individual.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 93 The desire to keep learning.
- 94 To be well prepared for high school and access to college course work.
- 95 Better goals and objectives he can reach.
- 96 That he will be a creative thinker and be able to problem solve without relaying on text to provide the answer.
- 97 Get more help in reading.
- 98 To not only learn the basics but learn about today's world.
- 99 Hope to have my child learn these analytical type thought processes for later down the road.
- 100 That he will be prepared for high school.
- 101 It would be my hope and my child would be better prepared for the opportunities that await her. I want my child to be able to collaborate and to think outside the box. I want her to be aware of the tools that are available and to be a successful problem solver. Unfortunately, because my daughter started orchestra she is unable to take any of the true stem electives.
- 102 More prepared for the next level.
- 103 Helps pave the way to get into a good college.
- 104 I just want my child to be better prepared for high school academics.
- 105 Grow in wisdom and stature and develop great friendships.
- 106 Increased preparation to enter a career in technology.
- 107 For my child to learn more and enjoy this way of teaching.
- 108 That she will continue to excel and be a good student and person.
- 109 I hope that my child that she is successful in the next opportunities that come of STEM.
- 110 A higher level of knowledge in math and science.
- 111 I hope that my child will develop more confidence and experience more success in school through unconventional learning experiences.
- 112 My hopes are that standardized testing does not drive my child's education.
- 113 I would hope that my child would be able to excel in the science and technology fields later in life.
- 114 Our hopes for our son, to have a variety of ways to learn how technology works, be able to problem solve independently, enjoy learning, setting goals for himself...It is also important however, for our son to articulate to his peers what he's learned.
- 115 I hope my child will learn more things and become a smarter kid. The smarter he is the more good choices he will make in life and he will take brighter paths.
- 116 I hope that this learning environment is better preparing my child for success as an adult.
- 117 To apply learned knowledge to future education opportunities.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 118 A higher level of learning.
- 119 To be able to think critically and analytically; collaborate with others; communicate effectively; and grow to be a good person, not just a good student.
- 120 Good hopes.
- 121 That her curiosity is nurtured, develop creative critical thinking skills and learn to work in collaboration with others.
- 122 Continue thru the [STEM high school] and continue her passion for learning.
- 123 I hope that I made the right decision for my child. I hope my child is a confident, critical thinking learner.
- 124 Be challenged in the educational process.
- 125 I hope my children will be ahead in math and will have a chance to learn a lot of science.
- 126 Better understanding of how things work.
- 127 That they will be more excited to learn.
- 128 To be better equipped for a more technical world.
- 129 Graduation.
- 130 I hope that my child gains the skills needed that traditional education does not offer. The program is centered on technology and group collaboration that are important skills needed in today's society.
- 131 To be ahead of the game when she enters college.
- 132 Technical knowledge and critical thinking. To get a great job.
- 133 To have a solid foundation when entering high school. I don't want him to be behind.
- 134 To be able for my child to be prepared for her future and learn more about technology.
- 135 To do more and above.
- 136 I want my children to be successful math students. I want them to be able to approach a problem in life and use all of their resources to solve it. I want them to think outside the box. I want them to develop an appreciation of our environment and fight to protect it.
- 137 I hope that they are able to find their passions while also learning. Allowing them to thrive in a school full of peers with the same likes and goals as them.
- 138 My child will be able to prosper greatly in his class and get the top grades so that they can go to college.
- 139 I hope for my children to have amazing grades at the school all the time.
- 140 Confidence in himself and his abilities. I believe that STEM is preparing him for college in several different ways.
- 141 To go to college.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 142 She's on her grade level and beyond so she is prepared for high school.
- 143 Learning more than he would if he were in a traditional setting.
- 144 Better education.
- 145 That he will excel in the programs & graduate from the STEM program with a degree.
- 146 I am hopping that with a more hands on, involved learning experience my child will have an easier time with learning.
- 147 That they will be successful and interested in learning in new ways.
- 148 For my [student], I am hoping this further grows her love of science. She has a lot of interest in science and that is why she chose this school.
- 149 They are ahead of the other public school kids.
- 150 That He will know the importance of having a STEM education and maybe choose a career in STEM.
- 151 More prepared for higher education and the job market. Better at thinking critically than they would be in a traditional setting.
- 152 Higher level of opportunity to learn and relate that learning to life.
- 153 Excel in higher education.
- 154 She will have a broad outlook on different aspects of life, cultures. Develop critical thinking to be able to go through life making good decisions and choices.
- 155 Get a clear understanding of all the aspects STEM has to offer.
- 156 I hope for better education.
- 157 I am hoping that each of my children is able to become independent, critical thinkers. Strong and confident in their ideas.
- 158 I'm hoping my daughter will be well prepared for advance study in the [STEM] program during high school. I want her to have a strong and solid foundation in math and science.





Knowledge Capture

8. What are the things you like most about STEM Middle @Baldwin Road Junior High? (Please check all that apply.)

	Responses	Percent
Quality of instruction:	94	47.24%
Real world problems:	134	67.34%
Art of Math:	89	44.72%
Design:	87	43.72%
Robotics "Project Lead the Way":	64	32.16%
Chinese:	29	14.57%
Tech Corp:	21	10.55%
Projects/Activities:	121	60.8%
Teacher/Classroom support:	79	39.7%
Schedule:	41	20.6%
Design thinking:	100	50.25%
STEM Fest:	28	14.07%
Gallery Hop:	84	42.21%
Spring Fling:	26	13.07%
If other, please describe:	11	5%
Total Responded to this question:		199 81.89%
Total who skipped this question:		44 18.11%
Total:		243 100%

8. What are the things you like most about STEM Middle @Baldwin Road Junior High? ("If other" comments.)

Response Comments

- 1 I love the weekly communication that is emailed. I can be on top of his education better.
- 2 My Childs able to also take orchestra.





(Con't.) 8. What are the things you like most about STEM Middle @Baldwin Road Junior High? ("If other" comments.)

- 3 The newly introduced Genius hour, I think with ALOT more organization this could be a great thing. For students to be exposed to adult/other students passions or interests. I feel that all students should have the opportunity to experience all of the group activities with a rotation schedule. To be introduced to different mediums (cooking and it's science, painting, sewing, paper mache, wood working etc.) to be exposed to other people's talents to maybe discover what they are gifted to do. College vs. a trade. It needs to be truly an hour. To see there is more than VIDEO GAMES or being plugged in...Some students will only get these experiences at school.
- 4 My child help with the programming of the light show this year at Christmas. He learned a lot and really enjoyed himself!
- 5 Other electives, such as the band and orchestra programs.
- 6 We appreciate that the teachers see what our child's level of understanding is, and want to take him a step further to challenge him with new ideas.
- 7 I love the innovative teaching styles of most of the teachers that go really well with how today's students learn. I appreciate using student test data to meet kids where they are and encourage growth of ALL students regardless of where their academic ability is.
- 8 I love everything so far about the school! This is our first year and we homeschooled before that. The [school] STEM program is similar to how we homeschooled, where there are integrated topics across the subject areas. I like that there are so many hands-on projects and the focus is more on making learning fun and interesting, rather than just taking tests. We have seen so much growth and confidence in our son this year, even though [the current] grade might be one of the most challenging years for a student from a personal perspective. The energy from the principal and his teachers is unlike anything I ever experienced in school and I tell everyone I know about it! The examples are endless, but thinks I love: Gallery Hop - such an awesome experience for the kids and parents, Principal's weekly emails – [the principals's] endless enthusiasm and communication are much appreciated, Excellent support, communication, and encouragement from the teachers, and best of all - my son is excited about school!
- 9 [grade level] great team is fantastic.
- 10 Literacy lounge and furniture in hallway for students to relax and get away from other students as needed.
- 11 Innovative thinking.





Knowledge Capture

9. What aspects of STEM Middle @Baldwin Road Junior High do you like least? (Please check all that apply.)

	Responses	Percent
Quality of instruction:	30	18.4%
Real world problems:	9	5.52%
Art of Math:	12	7.36%
Design:	4	2.45%
Robotics "Project Lead the Way":	8	4.91%
Chinese:	47	28.83%
Tech Corp:	8	4.91%
Projects/Activities:	14	8.59%
Teacher/Classroom support:	37	22.7%
Schedule:	38	23.31%
Design thinking:	5	3.07%
STEM Fest:	9	5.52%
Gallery Hop:	18	11.04%
Spring Fling:	8	4.91%
If other, please describe:	55	33%
Total Responded to this question:	163	67.08%
Total who skipped this question:	80	32.92%
Total:	243	100%

9. What aspects of STEM Middle @Baldwin Road Junior High do you like least? ("If other" comments.)

Response Comments

- 1 Some of the 'new' instructions are not covered sufficiently. Nothing sent home for the parents to help their students.
- 2 There's not a lot of reading.
- 3 Lack of a design class for ALL students.





(Con't.) 9. What aspects of STEM Middle @Baldwin Road Junior High do you like least? ("If other" comments.)

- 4 Lack of discipline and an increase every year in disruption and behavior with very little done, wish it were by application to weed out uninterested children.
- 5 I think the children should get to pick which foreign language they get to learn.
- 6 Class size - L.A. Teacher left and the position was never filled.
- 7 Disappointing that a STEM class, Art of Math, is considered an elective at a STEM school. Not enough variety in schedule. Too much focus on CORE.
- 8 Bullying -having nothing to do with the curriculum I understand, but there is room for improvement in the "culture" of the school in this aspect.
- 9 Administration, assistant principal and principal, only respond to and/or interact with children individually to address negativity. There is an overall lack of individual positive acknowledgement.
- 10 Not a fan of [class] teacher being video instruction. It makes for a poor learning experience and a difficult teaching experience. Need a teacher present or an aide who is more acclimated to the environment this venue fosters.
- 11 Truly there is nothing that we do not like about STEM @ [school].
- 12 While I like that the students are encouraged to design, think outside the box, build, and do real-world projects, I worry that my child doesn't seem to know how to handle more traditional classroom activities--I worry that he doesn't know how to study very well, example. I understand the school can't be all and do all, but perhaps more of a balance can be sought?
- 13 -
- 14 ???
- 15 We really do not like the grading system at all. Every class is different; only certain items count toward the final grade. Most of the time homework isn't counted toward grades at all. If it's in power school it should count period. Our older son who is in [STEM school] does not have grading like this. Everything counts! Should be more Continuity between [different STEM schools in the RCS District] as far as grading goes.
- 16 The amount of projects and homework.
- 17 I worry about my son going to a school in that neighborhood. It's getting rough.
- 18 STEM as an elective only. ALL children should be given the opportunity to work in the Foundry and experience the new initiatives brought in this year. Offering it as an elective and having to choose between music and STEM is not appropriate for a STEM school.
- 19 Nothing so far.
- 20 Administration.
- 21 Last year's Spring Fling was a joke. That was horrible the way the [organization] did not promote the event and there were no other schools there. The kids did all that work for nothing. Gallery Hop is stale and no parents want to spend \$30 to make "junk" that the kids make \$10 on. I'd rather them have a bake sale or something like that. Also, I'm so tired of blended learning I could puke. Make the teachers teach the kids instead of making parents have to go behind them and research with their kids.
- 22 I've been extremely pleased this year.





(Con't.) 9. What aspects of STEM Middle @Baldwin Road Junior High do you like least? ("If other" comments.)

- 23 If you're going to have the Gallery Hop to raise money chose an organization within Reynoldsburg. Making the kids come up with an item to make can be very expensive for the parents. Plus putting kids on teams not everyone child's participates, financially or making the item. My child and myself has gotten stuck doing everything and the kids who did nothing get credit. My pocket is the one that paid for it all.
- 24 Building could use some updates inside and out you improve the look.
- 25 I wish Gallery Hop could be held on two different grades. One day for [specific grades], and one for [specific grades].
- 26 Teachers vary how they use tools like Google classroom, making it difficult to truly understand what students are doing in class and what homework is assigned.
- 27 Not having an environment where my daughter can flourish educationally and not have to worry about kids with behavioral issues.
- 28 I say teacher / classroom support when it comes to parents. I'm an involved parent that gets myself involved. I have parents come to me because they feel disconnected once they go from [grade level school] to [next grade level school]. Some is on the fault of the parent but I feel that there needs to be more instruction at the beginning of the year. Also a consistency amongst how teachers communicate with parents. It is getting better.
- 29 Communication.
- 30 Whenever there is a substitute, it appears that nothing gets done because there wasn't a plan in place.
- 31 I feel the electives could have been more engaging for the 5th grade. My daughter was disappointed they didn't do more complex and exciting things in the foundry and the fab lab.
- 32 Lack of consistent communication from staff and activity leaders.
- 33 Language - Spanish is considered a second language in the US. Dress Code - I don't understand why you don't either switch to school uniforms, navy blue or tan pants and solid polo shirts for all children or allow the children to dress for public school. What is the difference between blue jeans and purple jeans? Do you know how hard it is to find solid color clothing that isn't a school uniform? Whenever I shop locally, looking for clothes, and run into other parents they claim Reynoldsburg has the worst dress code. Just don't allow sagging pants, require belts, don't allow hoody's and no writing on the shirts. It's pretty simple. Schedule - An earlier start with earlier dismissal would be nice.
- 34 The focus on the use of the chrome books is way to strong. There are multiple technology sources that can be incorporated into the curriculum. If I wanted my children on a computer that much, I would have them in an online charter school. More focus on real interaction and discussion.
- 35 The lack of other foreign language classes aside from Chinese.
- 36 All think they all have their great qualities and none lags.
- 37 Strange homework, meeting at peoples house you don't know and are not right around the corner to work in groups.
- 38 Inexperienced teachers and the inability to maintain an environment conducive for learning.
- 39 Foreign language is limited compared to previous [school] my child attended; the arts are important too - I hate that music, band, orchestra are not offered as a regular part of the program in addition to the STEM track. They actually go hand in hand - technology and math and engineering are all part of instruments.





(Con't.) 9. What aspects of STEM Middle @Baldwin Road Junior High do you like least? ("If other" comments.)

- 40 I wish it were in a better neighborhood. My kid is smaller and is intimidated by some of the other classman. I wonder if those bullies really love STEM or just like having a school closer to home.
- 41 I can't really say I disagree with anything.
- 42 Location.
- 43 I don't have any complaints.
- 44 None.
- 45 We are pleased this far.
- 46 Would like the start time to be earlier.
- 47 Method of "grading"; not a fan of letter grades not being traditional.
- 48 Nothing.
- 49 I am extremely disappointed that my music students are unable to take the STEM elective. I don't think they should have to choose between the two at a STEM school.
- 50 There is nothing that I would really change.
- 51 There are not any that I dislike, but all of them are not applicable to us.
- 52 I don't like that my [student] was just thrown into everything at the beginning of the year. Some kind of newsletter or something about all of the basic differences from [one] school to [the next level school] would be nice, like lockers, DRESS CODE, maybe even a map of the schools so kids have an easier time finding there class rooms. I also don't like the face that I never know what homework is, my [student] often forget to wright it down, so I never have any idea. If you are going to use a website for parents and teachers, can we please make sure that teachers are actually using it? None of my child's teachers are even using them anymore.
- 53 My children do not have a lot of interest in learning Chinese, but I do understand how it is valuable to their education.
- 54 It seems like there is a bit of disconnect in the transition from [one grade level school] to [the next grade level school]. My child reports being not challenged enough compared to [previous] STEM [school].
- 55 None.





10. If you could ask for one improvement in the next school year, what would it be?

Responses Percent

Total Responded to this question:	135	55.56%
Total who skipped this question:	108	44.44%
Total:	243	100%

Response Response Text

- 1 Offer both band and foreign language.
- 2 For parents to be able to access tools to help students at home, particularly with math.
- 3 Communication that I do not have to hunt or beg for.
- 4 Less tension, stress and anxiety among staff and leadership...we have lost SO many wonderful teachers for this reason. To value and appreciate each other. These feelings are reflected to the students, and these are CHILDREN!!!! If stem teaching isn't your thing find something else to do!
- 5 1 required STEM related class for all students, physical education for all students and 1 elective.
- 6 More technology for special education students.
- 7 Decrease in behavior and bullying mentality.
- 8 More hands on projects/or school wide projects.
- 9 Smaller class sizes - consistent teachers who stay the entire school year.
- 10 Offer French instead of Chinese.
- 11 More social studies.
- 12 More electives. STEM class seen as a requirement, not a class to take instead of Band-Spanish-etc.
- 13 Nothing at this time.
- 14 Probably limiting to amount of class time there is. If there is too much time, then that doesn't benefit children at all. It can affect their learning badly. And, adding another elective will give the kids a chance to have something else to enjoy in their day, as well as shorter class times, where they can focus and pay attention more.
- 15 To help kids get the reading books on time. Because sometime parents auto order it and come late.
- 16 A new principal!
- 17 To make STEM students more well rounded in preparation of the upcoming high school academies; help make them more aware of the opportunities early in the school year, but let them know that future academies are not "chiseled in stone."
- 18 My child particularly hasn't shown that he is responsible about managing himself. This has more to do with him than the school or what I'm trying to teach him at home, but perhaps time management can be more woven into what students do.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 19 To include the parents in the decision-making and/or communicate with them why their student was chosen for certain courses. My son was put in a math class that was above his comprehension however with half school year over have been informed by teacher that the math class is going to be restructured to help ease the students. I just think that this was a waste of first half of school year. Also student was originally scheduled for Chinese as well as all different electives than what was chosen from questionnaire sent home at the end of previous school year.
- 20 Make projects be individualized.
- 21 -
- 22 Better leadership teachers are great! Principal and vice principal you never see.
- 23 Hire qualified teachers, but get them to stay! Teachers who can control the classrooms. Don't treat the students like they are still in elementary school. Pay real attention to what goes on in the entire building and address issues.
- 24 Grading system gets changed (see last answer). All grades recorded in power school should count - homework, quizzes, tests, and projects! Also Gallery Hop is really getting old - need a new fresh idea
- 25 Multiple options for electives and specials.
- 26 To remove Chinese and offer Spanish, French, or German for the younger age groups.
- 27 The option of on line school.
- 28 More security and stronger discipline for bullies and unruly kids. This year is better than the last, but please stay on top of these hinderers.
- 29 Gifted program within STEM. My younger child will be entering [STEM school] next year and we have to make a decision whether to put him in Gateway and lose STEM or chose STEM but then not have a defined, structured gifted program for him. I would like to have both!!
- 30 To have more options for different classes. Not have only option A or B times to take the class.
- 31 My child told me that Chinese class is very disrespectful and the kids can be so out at times that only people in the front of the room can hear and learn. So they need better audio from the teacher (better quality and louder) as well as better control by the people in the room to control the class and keep the class in control to be able to hear the video teacher.
- 32 Since there are no textbooks, I would like to see the topics being covered in the classes for the year. I would especially appreciate this for math, but really in all the subjects it would just be nice to know what is laid out for the year.
- 33 More parent environment.
- 34 I feel the Chinese class could be structured better. My son complains daily about how difficult it is to get anything out of the class because others in the class that do not seem to care. He has videoed them to show us them being disrespectful to the adult in the room. He does say that the adult has tried a variety of things in class from positive reinforcement to consequences - those particular children do not seem to care either way. I think if the class were more engaging it may have a different outcome.
- 35 STOP ALL THE HOMEWORK!! It's getting ridiculous!!
- 36 Teacher with more than one year of experience! A teacher who interacts more with the parents! A teacher who cares about the future of my child and his education.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 37 THAT EXPECTATIONS WOULD BE CLEARLY EXPRESSED. WE HAD NO IDEA THERE WOULD BE SUCH A DISTINCT DIFFERENCE BETWEEN [one grade level] AND [the next grade level]. OUR SON STRUGGLED GREATLY TRYING TO ACCLIMATE TO THE INCREASED EXPECTATIONS. THOUGH HE HAS PULLED OUT OF IT, WE FEEL THAT IT WAS A MORE DIFFICULT TRANSITION THAN IT NEEDED TO BE.
- 38 HS credit opportunities for science in [lower] grade [level] - not just math more availability of Chinese.
- 39 More life personal life skills, cooking, and finance.
- 40 Smaller classrooms.
- 41 N/A.
- 42 Opportunity for orchestra, band, and choir students to be able to take STEM electives such as Art of Math without taking the music class outside of school hours.
- 43 Engrade is not user friendly. Would prefer Google classroom.
- 44 I wish that there were more opportunities in the evenings to participate as a family in STEM focused activities, or even just communication about those opportunities around the Columbus area.
- 45 A good online tool that all teachers use the same so I feel like I have a good understanding of what my son is doing in his classrooms. I work in the digital field, so I "get" online tools. I'm confused often...so I assume others who are not as digitally savvy are confused as well.
- 46 Real time on grades.
- 47 Please assign more homework or books to refer to assist students at home.
- 48 Nothing.
- 49 I just want my daughter to feel comfortable and safe going to school.
- 50 A bit unrelated but my child needs to use the restroom more than is allowed. They can't always schedule their toilet needs at times convenient to the school. Often times there are not enough hall passes at lunch either for them to go. Also not enough time between classes.
- 51 Working on getting students more involved in after school activities. (Not sports) POP, Soil, Student Council, etc. It seems to be the same students each year.
- 52 Nothing I can think of right now.
- 53 I would ask for a cohesive staff that is lead with minimal stress and exhaustion. I have seen and felt the constant change in expectation among staff, which trickles down to students, which in turn comes home with the children. Inconsistencies abound at [the school]. Individual student needs are NOT easily addressed due to class sizes. It is not okay that students are not afforded time to visit the library weekly. Leadership does not, in my opinion, support teachers and new teachers seem to flounder, not having a solid direction or mentorship.
- 54 Communication and interaction with the teachers if a client is not doing well or is not performing to their level being notified by the teacher.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 55 Have experienced this throughout my kid's educational experience. Plans and objectives are vague for the year and when meeting with teachers in "conferences", all you really talk about is are they doing "good" or not so good. You are really not having a serious discussion about how the kids are moving along as it pertains to the objectives. These sessions often prove to be fruitless. The reasoning is often presented that each class and kid is different and there is no "cookie cutter" approach to developing a plan. However if there is no plan, what you have is what I described above. When a teacher is missing, no one coming into that class knows what the students are supposed to be doing or what their objectives are supposed to be. This of course is not across the board, but again, have experience it in many situations.
- 56 More challenging instruction in math ... More diverse instruction based on learning levels.
- 57 More access to The Foundry.
- 58 Dress Code Revised.
- 59 N/A
- 60 More things like gallery hop.
- 61 N/A.
- 62 An improvement would be that there are more ways to do things off of technology and have hands on things like art and theatre.
- 63 To retain high quality teachers...make the building a positive working and learning environment for both staff and students.
- 64 Better structure within the faculty.
- 65 Less focus on fundraising and soliciting my children to do so with rewards that the students really don't understand yet that are garbage or unattainable!
- 66 More parent involvement with grades and knowing where there child stands in class before its too late to turn things around as well as having access to the learning other the with the computer as all patents cannot afford an computer but wants their child equipped with all the learning provided by STEM.
- 67 More Focus in Homework.
- 68 I would like for them to be able to learn more about technology, and more with engineering.
- 69 Need Spanish classes.
- 70 No dress code!!!
- 71 Improvement or solution for getting children to school early for clubs, etc. when parents can't do it because of work.
- 72 I would love for students to have music.
- 73 Better real world communication when there is an issue with grades, keep power school up to date, go back to normal grading. It frustrates me when checking power school and everything looks good then the teacher puts in the last months grades and things change. I believe it will motivate a student to do all there work if it ALL counts toward their grade.
- 74 Handle disruptive students better.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 75 Girls not required to wear plain shirts with collars. Finding girls' shirts without print and with a color is extremely difficult and expensive; in fact, it is ridiculous.
- 76 More opportunities for STEM quality projects based learning and less traditional classroom style learning.
- 77 N/A.
- 78 Can't think of anything!
- 79 Text notification of when they have tests coming up or email update from teacher if there is an issue with the student that the parent can assist with.
- 80 More attention to the students from the teachers.
- 81 Better communication from teachers. I wasn't aware of my child's behavior until fall conferences.
- 82 More positive.
- 83 More help for kids that are behind.
- 84 More paper communication, logging into several sites for grade or assignment information is a challenge when you have 5 kids, in 3 different schools!
- 85 That my daughter would be given grade appropriate challenges. I feel like a lot of her coursework is too elementary.
- 86 Field trips.
- 87 Widen entrance to parking lot to allow 2 lanes to enter.
- 88 Better in class instruction.
- 89 For the Gallery Hop to have better options for the kids to make. Bring back desserts too!
- 90 I think the group teaching is a great idea. It should be continued.
- 91 One thing I always get a little frustrated with is the grades. There have been previous problems with my child's grades so that's something I hope is improved.
- 92 Way teachers describe projects and lessons.
- 93 Consistency with online tools and better communication from teachers.
- 94 Have the ability to engage with all of my student's teachers better. This year, only [one] teacher has been available during parent/teacher conferences.
- 95 Making sure that the teachers that want to teach do so. For those who don't they should not teach...My husband and I look forward to seeing progress in our son's math class.
- 96 I would ask if the school could change some of the things they learn to around the end of the year because the kids might not know certain things.
- 97 More non-school activities related to STEM.
- 98 More communication about extra curricular activities with parents.
- 99 More focus on the design cycle within everyday thinking/activities - further development of Habits of Mind.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 100 Either reverse open enrollment or figure out a way to hold parents accountable to volunteer hours. Anything to increase more family participation.
- 101 More consistency with classroom portals from teacher to teacher. Hard to help keep track.
- 102 Communication, communication, communication. More of it. When information is all on the computer left for the student to manage the parent should also have an upload of the information. Books, what happened to simple bring books and papers home. The PTO meetings began at 7:00pm.
- 103 Art and music.
- 104 I would like my children to have music and foreign language both of which train the brain in a way that is similar to math.
- 105 As a single working parent, so many projects are difficult to keep up with.
- 106 Do away with dress code.
- 107 More teachers/smaller classes.
- 108 To get rid of uniform.
- 109 Get rid of PARCC test!
- 110 The teachers to be in contact with parents if assignments are not being completed or if they are completed poorly.
- 111 A better system to keep track of my child's homework and progress.
- 112 Nothing.
- 113 Bullying need to stop.
- 114 Harder work.
- 115 Bullying at the school is a serious problem that is not being addressed. The main victims are the most the disenfranchised kids at the school (students who may not have good hygiene or nice clothes, who have few or no friends, who look "different", who question their sexuality, etc.). The perpetrators are kids who are not troublemakers in other ways and so teachers are typically unaware that they are doing it i.e. kids who dress well and get good grades are exceptionally cruel to others they think are beneath them. I would like to see a concentrated effort to reach out to those isolated kids and stricter consequences for the kids that are doing the harassing.
- 116 I do not have any improvements.
- 117 The students can have unlimited bathroom passes because a child never knows when they will have the sudden urge to go to the restroom and a child can't force themselves to go to the bathroom. By limiting the passes the child will start to concentrate more on "oh I need to go to the bathroom" than what the teacher is teaching.
- 118 More relevant field trips for the kids.
- 119 Make every thing easier to get to at home.
- 120 More paper homework less projects and normal class. Work.
- 121 I can't think of anything.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- | | |
|-----|--|
| 122 | Less homework. |
| 123 | That my child has better instructions with homework. |
| 124 | Kids to be able to wear jeans to school. You could keep the collared shirts; they do look nice, but why not let the kids wear jeans that are in good condition they will still look nice. |
| 125 | Nothing really. |
| 126 | I would love to see a stronger stance on disciplining bullies. I really feel like there is some effort, but there needs to be more. I know it only says one improvement, but I would also like to see the kids have more physical fitness in their schedule. It's so important. |
| 127 | N/A. |
| 128 | Change the Required Reading program. In my opinion the school should have the books that are required for the students to read. We as parents should not have to "go and find" the books for my child to read. It would be easy enough for the school to buy the books and rotate them through each class. |
| 129 | Consistency with all teachers using the same assignment program. |
| 130 | None. |
| 131 | Not have so many websites. I wish there were just one main site and links to individual teachers and the students' grades. |
| 132 | Don't make gym a credit required elective. Where students have to choose between gym and orchestra or band. |
| 133 | One improvement that I would have to add is more electives. |
| 134 | I know there is a lot going on all of the time. I have always wanted to see some sort of computer programming class/club that could teach kids some basic programming skills. |
| 135 | More individual projects. Most of the projects/activities are done as a group and completed at school. I would like to see end result of my child's work. Have smaller class sizes are extremely important. |





11. How can you contribute to supporting or enhancing the school's goals for the coming school year?

	Responses	Percent
Parent-Teacher Conferences:	114	68.26%
Curriculum Night:	52	31.14%
Student Showcase:	37	22.16%
PTO:	43	25.75%
Watch Dog Dads:	19	11.38%
PAWS (Parents Active with STEM):	40	23.95%
Field trips:	79	47.31%
Mentoring:	44	26.35%
If other, please describe:	12	7%
Total Responded to this question:	167	68.72%
Total who skipped this question:	76	31.28%
Total:	243	100%

11. How can you contribute to supporting or enhancing the school's goals for the coming school year? ("If other" comments)

Response Comments

- 1 All these would be good but we are not returning.
- 2 I already contribute.
- 3 Nothing.
- 4 My child will not be attending Stem [school] next fall. I think a lot of positive things can happen as a result of parent-teacher conferences.
- 5 -
- 6 We will be gone.
- 7 Assemblies or workshops for the students More extra curricular activities that are not band or sports or robots.
- 8 Not sure.
- 9 My husband helps out at [school] and I have been helping with our younger son's school. We hope to send him to [this school] next year as well and I can become more involved.





(Con't.) 11. How can you contribute to supporting or enhancing the school's goals for the coming school year? ("If other" comments)

- 10 My daughter will be in [in a [different STEM school] next year.
- 11 N/A.
- 12 I work full time...so only after work.

12. I feel strongly about my child having the following at STEM Middle @Baldwin Road Junior High (please check all that apply):

	Responses	Percent
Music:	117	59.39%
Robotics and Design:	111	56.35%
Chinese/Foreign Language:	67	34.01%
Physical Education:	107	54.31%
Outdoor experiences in the SOIL Lab:	93	47.21%
Art of Math and maker experiences in the Foundry:	134	68.02%
Computer Science:	131	66.5%
If other, please describe:	22	11%
Total Responded to this question:	197	81.07%
Total who skipped this question:	46	18.93%
Total:	243	100%

12. I feel strongly about my child having the following at STEM Middle @Baldwin Road Junior High ("If other" comments):

Response Comments

- 1 Spanish would be my preference; I feel it's a more practical choice.
- 2 Spanish.
- 3 ART!!!!!!
- 4 I am in favor of Foreign Language but not so much Chinese, which is why I didn't select it.
- 5 The ability to earn high school level credit.





(Con't.) 12. I feel strongly about my child having the following at STEM Middle @Baldwin Road Junior High ("If other" comments)

- 6 Computer science is valuable if it's at the right level. They don't need to be taught to type but could be a great opportunity for them to learn about coding or even spreadsheet manipulation / building databases etc. that will help them in High School.
- 7 I think all of these are wonderful and important. I selected my son's favorites to narrow them down.
- 8 Typing class.
- 9 You cannot by law take away PE, and if you try it, I, along with many other parents, will fight you and we will.
- 10 OPPORTUNITIES TO PERFORM IN THEATER-TYPE SETTING, I.E. SHAKESPEARE FESTIVAL.
- 11 Phys. Ed for credit.
- 12 I know there is probably a cost associated with bringing in foreign language instructors but think this would be a definite plus. Many of our kids are out of shape and bored because they don't get to get to do anything physical. Don't understand why schools have gone away from P.E. (not in the classroom) and not giving the kids the opportunity to have fun, stay/get fit and burn off some energy.
- 13 I would prefer another foreign language like Spanish or French that they are more likely to utilize.
- 14 Digital Animation.
- 15 There should be an incorporation of the arts ...let's turn STEM into STEAM like every other successful district.
- 16 Art.
- 17 Band, orchestra.
- 18 Bring back Art classes and Gym at least half a school year.
- 19 Art.
- 20 Spanish not Chinese.
- 21 ALL kids and ALL grades should have music and art class. This is a critical part of learning.
- 22 I'd like to see a Health class, maybe 6 weeks long.





Knowledge Capture

13. Where at STEM Middle @Baldwin Road Junior High have you seen your students engage in high-quality STEM work? (Please check all that apply.)

	Responses	Percent
Science:	139	72.02%
Math:	119	61.66%
Language Arts:	67	34.72%
Social Studies:	80	41.45%
Electives:	45	23.32%
Design Challenges:	84	43.52%
Learning to apply "Habits of Mind":	46	23.83%
Advisory "Genius Hour":	43	22.28%
Presenting projects at STEM Fest, Gallery Hop, and/or Spring Fling:	85	44.04%
If other, please describe:	5	2%
Total Responded to this question:	193	79.42%
Total who skipped this question:	50	20.58%
Total:	243	100%

13. Where at STEM Middle @Baldwin Road Junior High have you seen your students engage in high-quality STEM work? ("If other" comments.)

Response Comments

- I have had 3 children go through [this school] and I have to say ALL 3 have REALLY enjoyed [teacher] Including myself, during the open house at the beginning of the year it was soooooo nice to see a friendly face! [Teacher] has been so great to keep me informed, with a phone call or email. I do not have a job where I have a computer, text or call REALLY is the best way to communicate with me. I am not a fan of PowerSchool etc. I feel it's an easy way to NOT have to communicate with parents
- Art of Math.
- He has all new teachers to the school this year, but they provide a variety of formats for learning. I checked the best areas, but I see great things in all of his classes.
- Anything that requires a power point presentation.
- I have seen my child engaging in their foreign language.





14. What is the best example of STEM work your student has engaged in at STEM Middle @Baldwin Road Junior High?

	Responses	Percent
Total Responded to this question:	116	47.74%
Total who skipped this question:	127	52.26%
Total:	243	100%

14. What is the best example of STEM work your student has engaged in at STEM Middle @Baldwin Road Junior High? (Open-ended)

Response	Response Text
1	He flourished in 2 areas, Art of Math and working for the Gallery hop. He was so excited to do both of those projects.
2	I am not sure at this point.
3	Collaboration on designing Gallery Hop product.
4	Projects and in depth learning.
5	Preparing for the gallery hop. I think this year's gallery hop was much better than last years.
6	Overall I've been very disappointed with STEM work I've seen. I think it's been very lacking.
7	Periscope design.
8	Light show programming.
9	It would probably be the work made during special events (spring fling, gallery hop). It's fun and not very forced (well gallery hop was a little bit forced, and my children didn't enjoy it as much as last year and previous years). They also get the chance to show other what they like to do and focus mainly on their interests.
10	Home projects. Home works, lot off readings.
11	Social studies project for the living museum. Incorporated field trip, creating costumes, social studies research, writing and more.
12	Gallery hop is always my favorite.
13	In his earlier grades, he was part of a team that had to solve a problem. However, the teacher did not monitor the teams well and they were not balanced regarding workload and responsibilities. I think all of this comes into play with a good STEM environment. The best STEM activities he had in his school life were actually in 4th grade STEM, so [school] should see what the [school] STEM teachers are doing right.
14	The charity assignment. He had to research very detailed information regarding the charity, and develop a persuasive argument for why he thought his idea was the best. Very impressive at this age.





(Con't.) 14. What is the best example of STEM work your student has engaged in at STEM Middle @Baldwin Road Junior High?
(Open-ended)

- 15 I think what he is currently doing in Art of Math is very impressive. He also was involved in SOIL last year and got a lot out of it.
- 16 The cardboard challenge gave my student an opportunity to show his building and leadership skills and build confidence in his abilities.
- 17 Some of the group projects in social studies where they we're to take inventions during other periods (Roman; Greek) and compare it what it would be in today's world. Or learning the periodic table but with topic of their choosing.
- 18 Projects.
- 19 He loves anything science.
- 20 Science projects.
- 21 Earning high school level credit.
- 22 Helping design the Blacklick Commons.
- 23 The trebuchet is a wonderful event.
- 24 Gallery Hop allows the kids to not only create their own products but also learn how to sell them and whom they should target.
- 25 Science classes have been the best STEM experiences - linking theory with practical application - projects and experiments.
- 26 Not sure my son is not as open to sharing what he is doing as my daughter.
- 27 Group work to solve problems. Designing their cover for their computer.
- 28 There have been several, but he is working on some exciting projects in Art of Math that he comes home talking about everyday. He designed a laser cut sticker for his Chromebook then he will be working in a group to design and build a self-scanner kiosk for the library.
- 29 Gallery Hop or the grade [level] project in science.
- 30 Gallery Hop continues to be an outstanding example! It tried together all of aspects from planning to budgeting to marketing!! Very exciting!!
- 31 I honestly can't give an example right now. I'm sitting at this survey station and just got off work and can't even think right now.
- 32 Very impressed with my sons science and social studies teacher! He pushes my son to do his best! He is an excellent teacher! He has experience! That's what the stem program needs more of! Experience!
- 33 STUDY OF EGYPT THIS YEAR.
- 34 In science - taking apart electronics in integrated math - very problem based and personalized.
- 35 Gallery Hop.
- 36 Creating a bluebird house to help increase population.





(Con't.) 14. What is the best example of STEM work your student has engaged in at STEM Middle @Baldwin Road Junior High?
(Open-ended)

- 37 Thoroughly became engaged in gallery hop. Enjoyed presenting, designing a product, building a full inventory, and even enjoyed disagreeing with team in the product and electing to add his own, regardless of their perceived lack of approval.
- 38 The cross-curriculum projects have been wonderful, such as the Aztecs, Incas, & Mayans project. And the Foundry and Rad Lab are wonderful.
- 39 Math.
- 40 Working on projects and allowing kids to think outside the box.
- 41 Not sure.
- 42 STEM fest is a great representation of the STEM program.
- 43 The Blacklick Plaza project was real world and meaningful while incorporating all subject areas.
- 44 Robotics.
- 45 I have seen this on a number of occasions from working on group design projects to developing a website and presentation this month (February).
- 46 Designing chrome book skins. Wish there were more and more challenging.
- 47 There are many.
- 48 Math.
- 49 My child made an arcade game out of a cardboard box in the beginning of the year and won.
- 50 Creating and performing historical plays. The design and building of a habitat.
- 51 Haven't seen anything other than project lead the way activities.
- 52 The projects and works the teachers create for the Students.
- 53 They have done multiple things in mathematics and science and also social studies. But the best is that they have gone from a 5th grade math level to a 9th grade math level.
- 54 Making a map of her own land.
- 55 Last year he designed a catapult with classmates.
- 56 I don't know.
- 57 His design challenges.
- 58 The CHRISTMAS light show.
- 59 Building a kiosk, building an instrument in science.
- 60 I cannot think of any great examples in the 4 years my children have been at [school].
- 61 Gallery Hop.
- 62 My son loves anything robotics.





(Con't.) 14. What is the best example of STEM work your student has engaged in at STEM Middle @Baldwin Road Junior High?
(Open-ended)

- 63 To many to list.
- 64 Robot.
- 65 Building a solar powered phone charger.
- 66 Unsure.
- 67 The Build The City project last year.
- 68 Science.
- 69 Science / Gallery Hop.
- 70 Her integrated math teacher this year.
- 71 My child has done some amazing activities in science.
- 72 I liked the SOIL team. She learned a lot.
- 73 I have seen my child engage in Gallery Hop. It gives her a chance to persevere and lead.
- 74 Landforms project.
- 75 Creating projects by building websites.
- 76 The projects and presentations. She gets a lot of hands on with Science too and she loves it.
- 77 The city building in math that helped her explore and understand geometry.
- 78 [Teacher's] science class: Invasive project, Gallery Hop.
- 79 The best one I have ever seen from my son was a test that he got 100% on. I am also surprised that he has an 89% on his language arts and it is going to an A.
- 80 Technology based and hands on learning.
- 81 Robotics.
- 82 Creation of the mock city plan
- 83 My child work hard I like the school.
- 84 Art of math - she never got discouraged when something didn't work out. Instead, she realized the opportunity to improve and think differently to solve the problem.
- 85 Design of a country in [teacher's] class.
- 86 PowerPoint creation and presentation. Making of the car and pyramid.
- 87 Projects.
- 88 Gallery Hop.
- 89 The time and effort they both put into gallery hop.





(Con't.) 14. What is the best example of STEM work your student has engaged in at STEM Middle @Baldwin Road Junior High?
(Open-ended)

- 90 My student enjoys the robotics club and the coding that is offered. For Genius Hour, the project my child works on in creating games based on the coding skills learned in Math this year.
- 91 Butterfly habitat.
- 92 Mathematical mind.
- 93 The Egyptian lesson that spanned classes.
- 94 Advisory Genius Hour.
- 95 Math.
- 96 The "city" project.
- 97 The Gallery hop and Spring fling, they love the concept and they get to showcase their hard work and ideas.
- 98 When my student starting working on products for gallery hop, I noticed how engaged him and his friends were to making sure they had the right tools and the right amount of the product so that they can sell there product successfully. It was also good to know that the teachers and principal came up with to because it teaches the students a lot of important things they can take with them in their life.
- 99 I see him engaging in his math class.
- 100 Gallery hop / Science Advisory / inducted into the NJHS / Spanish.
- 101 At Spring Fling she made a catapult.
- 102 She has very high standards in all STEM work.
- 103 Building things.
- 104 The hands-on projects that he does are great.
- 105 Science projects.
- 106 Building a pyramid.
- 107 The things that they do in art of math and foundry.
- 108 Project.
- 109 Various projects.
- 110 Gallery Hop and group projects in class.
- 111 I was impressed with all of her assignments.
- 112 Learning about different native tribes and designing the garments they wore along with how they lived.
- 113 His grades have improved since he has to have a certain GPA for sports.
- 114 The best example for me would be group work.







(Con't.) 14. What is the best example of STEM work your student has engaged in at STEM Middle @Baldwin Road Junior High? (Open-ended)

- 115 Each project for my children is an example of STEM work. They are excited about the projects as they do them. No matter how big or small, each project displays key STEM traits.
- 116 Gallery hop. Most of her work is done at school as a group so I don't see the end result.

15. Would you recommend STEM Middle @Baldwin Road Junior High to other families?

	Responses	Percent
Yes: 	187	93.97%
No: 	12	6.03%
Total Responded to this question:	199	81.89%
Total who skipped this question:	44	18.11%
Total:	243	100%

16. Is there any feedback you would like to share with the school administrators about your child's experience at STEM Middle @Baldwin Road Junior High?

	Responses	Percent
Total Responded to this question:	85	34.98%
Total who skipped this question:	158	65.02%
Total:	243	100%

16. Is there any feedback you would like to share with the school administrators about your child's experience at STEM Middle @Baldwin Road Junior High? (Open-ended)

Response Response Text

- 1 The Gallery Hop this year seemed VERY constraining and feedback shared was the students did not have as much time to interact with fellow students to shop.
- 2 I can't thank them enough. [teacher] has been absolutely wonderful. I love how the teachers are so accessible to students and parents. The encouragement that my son has received is wonderful. He was nervous about going to [STEM school] because he had not attended a STEM school [before], but he has taken off and is doing amazing work!





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at STEM Middle @Baldwin Road Junior High? (Open-ended)

- 3 I think as a whole the school district needs to make some changes. The schools need to be about the kids and their success in learning. Kids should not be set up to fail. We need quality teachers that aren't complaining about kids in the lunchroom and have good moral values.
- 4 When I have been in the building on more than one occasion I have witnessed teachers being really unkind, abrupt and condescending with students. I can really feel the tension and anxiety in the building between staff members. It DOES affect the mood of the building. I have to admit it is what keeps me from getting more involved with the school. I feel we need to remember who are the children and who are the adults. In my career I was taught to "LEAVE IT AT THE DOOR!!!" Bad feelings, personal problems, etc. to be able to REALLY focus on what you are doing.
- 5 Improved from last year but still lacking. A STEM school should engage ALL of its students in a direct STEM class offered in the Foundry or Rad Lab.
- 6 I love this school. The teachers and administrators there great and I believe they truly care about my child.
- 7 I really love the emails that are sent out weekly from the teachers and principal each week.
- 8 None.
- 9 I love this school. But the experience needs to be a bit more relaxed, rather than being tense and boring for the kids. They need to know that they aren't focusing 24/7 on learning all day with no fun, but there should be some ways that kids can enjoy school at the same time. The yearly events are very fun as well; maybe some more could be added to keep kids smiling and happy.
- 10 My kids have been very smart and independent. They don't complaint, always happy to go to school. They have become very creative.
- 11 I was concerned about the school and administration in years past with my oldest child. The first 3 years of STEM [school] were not good. However [teacher] and the PAST collaboration really are turning this into the STEM school I was expecting and hoping for the first 3 years. Bravo!
- 12 The STEM activities for all classes need to be more team-oriented but should be monitored more by the teachers. Also, each teacher needs to give better feedback to the parents. We don't always know when a team is developed and what is expected of the team, we just see the end results and it can be disappointing at times. We need more openness from the teachers, prior to parent-teacher conferences.
- 13 We love STEM! Some families hear mixed reviews about the school. I think if the kids and parent really embrace the curriculum, and look beyond the four walls of middle and high school they can see the life long benefits this program will provide to our children.
- 14 No. Thank you for reaching out with this survey and weekly parent emails. I feel that this has always helped me know what is happening, as my child doesn't share a lot with me.
- 15 I do not feel that the Chinese class is the right format currently for [students]; the maturity level seems to dictate that a qualified teacher needs to be in the room. I love the technical electives but it would be great to not have to choose between the arts and the technology.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at STEM Middle @Baldwin Road Junior High? (Open-ended)

- 16 To include the parents in the decision making and/or communicate with them why their student was chosen for certain courses, especially when questionnaire was sent out prior to end of previous school year. I think parents should be invited for tours on normal school days so they can see firsthand what is going on rather than trying to visualize it from parent-teacher conferences or on not normal days (gallery hop, spring fling, etc.). It's easier to get more parent support when they see firsthand the inner workings. Have all teachers educated and directed to use same platform for online course work rather than some using Engrade and others using Google Classroom. Basically same issue as before when some were using itsLearning and others were using Google Classroom just different platforms.
- 17 My child enjoys it.
- 18 -
- 19 No.
- 20 Thank you for your hard work.
- 21 You need to review and change your policies regarding confrontations with other children. Last year our child was attacked by another child in gym class (punched repeatedly) he never fought back or threw a punch out of fear that he would be suspended. He still received one day of in school suspension for getting beat up. Shouldn't be a blanket policy. Every case should be different and when a child is attacked, he should be able to defend himself without fears of getting kicked out of school for doing so. I'm not condoning fighting. This is an example of just one more way our society has went too far the wrong way- it's ridiculous and the school needs to look at things on a case by case basis.
- 22 Children with Disabilities such as my son with social anxiety should have the option on bad days to stay at home and do online school. So they do not miss so many days.
- 23 I struggle with the last answer. [This school] is a much better school since STEM was introduced but there is still a lot of development needed. I don't feel that the STEM focus is truly integral to the school the way that [it is at another STEM school]. I also feel that the enriched options are not organized and confusing.
- 24 Try to keep the same teachers longer than one year. The changing of teachers throughout his time there has been hard on him. The only positive thing I have learned from the negative, which has occurred, is my child doesn't like change and likes structure throughout his day.
- 25 Still some bullies in classes, and teachers do nothing about it. The group of boys I heard of had played football together and were frequently watching my student and saying 'what are you doing...why are you doing that. You don't need to do that...." Not sure why teacher did not hear it and say something. My student said they could not move to another part of the room because the person would still watch them and comment of what he was doing. Not sure how these kids could still get good enough grades for the class when they were watching my student most of their class.
- 26 We have been pleasantly surprised by our experience so far. We were very nervous to put him into school but we intrigued by the STEM program. We know other STEM families in the district and had heard good things. [School] is way beyond our expectations in so many ways. Our son is still excited about learning, which is something I feared he might lose as he entered a public school. He has had plenty of creative opportunity and his teachers use a variety of resources for teaching and for assignments. We are so happy to see the changes in our son this year that we do not regret ending homeschooling for him. I just want to thank the Principal and all of the teachers for creating such an awesome environment. We hope the momentum at the school can continue and other parents feel the way we do. I think the learning happening at [the school] is going to help the students for years to come and not be looked back upon as just something they had to endure.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at STEM Middle @Baldwin Road Junior High? (Open-ended)

- 27 We are very, very pleased with [student] experiences at [STEM school]. He has grown tremendously! I am so happy with his teachers and after school activity choices as well that support the learning process!! I do wish some of the behavior problems he talks about were more under control.
- 28 Stop the amount of homework. Stop the blended learning.
- 29 Communication between the teacher and the parents needs to be improved! I would prefer a call if my child doesn't turn a paper in. I do not want to have to search on a computer or wait for grade cards.
- 30 YOUR TEACHERS IN [particular grade level] ARE DOING AN AMAZING JOB. OUR SON IS EXTREMELY HAPPY WITH HOW HE IS TAUGHT, HOW HE IS LEARNING AND THE ATTENTION AND COMPASSION HE RECEIVES FROM ALL HIS TEACHERS!!!! ALSO, PLEASE CONTINUE TO HAVE SAFETY AND SECURITY PERSONNEL!!!!!!!!!!!!!! THESE PEOPLE DO NOT HAVE EASY JOBS AND THEY ARE EXTREMELY NECESSARY!!! MANY TIMES OUR SON HAS EXPRESSED HOW SAFE HE FEELS WHEN SAFETY AND SECURITY ARE IN THE HALLS OR IN THE LUNCH ROOM OR BEFORE AND AFTER SCHOOL... BUT THAT THERE IS A SIGNIFICANT CHANGES (FOR THE WORSE) IN THE KIDS ATTITUDES WHEN THOSE PEOPLE ARE NOT AROUND. HE FEELS BETTER JUST KNOWING THEY ARE IN THE BUILDING!
- 31 The changes implemented this year have been phenomenal. [Specific] grade teachers are terrific. My son feels valued and is doing better than he has done in 3 years. (While he has always done fine in school, I haven't had to worry or 'nag' at all this year. He enjoys learning and has connected with every teacher so he just gets it done.)
- 32 If you are going to have a dress code enforce it on ALL children and staff. I have gone in there and seen girls with tight leggings on, hair died different colors, short skirts, tops low on girls who are large at the top, boys pants sitting low and seeing boxers. But NO my kid gets called out on for not having a collar on under her vest with a collar. V-neck that is showing nothing. When I went to get her she was dressed just fine and well maintained. Nothing was showing at the top. Enforce dress code on everyone equally including having rules and died hair, piercings and leggings that show girls camel toes.
- 33 I would like to see instruction in advisory about issues such as cutting, depression, and other mental health issues that students maybe dealing with. When classmates do not believe that these issues exist, it can make the issues more pronounced. I would also like to see some instruction on how to treat members of the opposite gender -- both verbally and physically. I am honestly shocked at things that have been said to my daughter. And boys that feel it is ok to grab her butt or touch breasts.
- 34 Our child loves attending [STEM school]!! She has a love for learning that has increased so much since attending the STEM program!
- 35 Both of our kids have had wonderful experiences and I am so thankful for the AMAZING teachers they have had. Kudos to [the principal], the end of last year and this year have been as good as it gets.
- 36 The band program is excellent!!! Please don't change the schedule or way it's being implemented!
- 37 I would like to see the students with more homework especially in math. Or provide them with books so we can help them in math.
- 38 No.
- 39 Already mentioned above. Keep up the good work.
- 40 We have experienced STEM during its growing pains. I feel it's headed in the right direction. As my younger child approaches [entering the school], I feel it will have found its legs. My daughter has "suffered" through the changes and has made the most of what STEM (at this time) has had to offer. Can't wait to see it become some of the STEM programs I have read about online that have been established longer. I love the concept and look forward to the future of what the STEM program could potentially offer!!





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at STEM Middle @Baldwin Road Junior High? (Open-ended)

- 41 I feel that [the school] needs a staff that is guided rather than dictated to. The stress has grown to unacceptable levels when it reflects in how our children feel about program they were once excited and passionate about. Teachers have been changed around and put into teaching positions they either were not originally hired for or have no prior experience teaching. This breeds confusion, frustration and inconsistencies in expectations academically and behaviorally. [The school] deserves a cohesive staff with educators who all buy into, understand and are qualified to deliver to each child a true foundation in STEM learning.
- 42 We can easily go through the school year without interaction and try to be reactive instead of proactive for our students. Teacher conferences are a great tool, however I sometimes get the sense that it has become viewed as either a "down day" (no instruction) for teachers and day off for students. It can also be a day of confrontation depending on how your student is doing. Some parents find out for the first time how their student is doing. I must commend a lot of the teachers for sending home periodic updates via email...this is a great tool. Would again, encourage the school (teacher) to lay out the plan (either by semester, school year, etc.) for that particular class so parents can get a sense for where along the way the plan is. When meeting with teachers, they have a sense of where their kid ought to be vs. where they are. I also think the school does a wonderful job with keeping our kids safe with the staff and teachers from the time they arrive to when they leave. I often see the assistant principal, and security personnel engaged with students as they come and go. Ultimately this is of the utmost importance to us parents so a big "Thank You".
- 43 I don't think 15-minute conference nights are enough. I think there needs to be more evening opportunities for us to visit the school and see what our children are learning. I think if our children begin to struggle in anyway there needs to be an email home from a teacher. It should not be the parents finding out weeks later on PowerSchool.
- 44 No.
- 45 You guys rock 5 stars.
- 46 No.
- 47 I think that the principal can work on interpersonal skills when communicating with both parents and students. At times, she is abrasive and dismissive to the thoughts and concerns of others.
- 48 No.
- 49 No.
- 50 Crack down on dress code. They should be able to wear blue jeans and t-shirts. Maybe if their shirts have bad words or pictures they should get in trouble for that. What's the big deal about having collars and all that? I understand the problem with hoodies but I really don't get why you guys are strict about everything else.
- 51 It would be easier for parents to keep up with information if only one website was used.
- 52 I enjoy everything except the dress code. I would like that to be revoked. It forces us to go out of our way to buy certain clothes that applies to the dress code.
- 53 Keep up the great work!! You influence our kids everyday. They will remember these times for their whole lives.
- 54 Would like to see bullying taken more seriously and dealt with proper.
- 55 I feel the reading help needs addressed.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at STEM Middle @Baldwin Road Junior High? (Open-ended)

- 56 No.
- 57 Principal needs to have more interaction with the students.
- 58 No.
- 59 My son went to stem at [school] and it wasn't put together very well then. They have improved the classes since then and hope they keep improving every year.
- 60 Things seem to be going well. Keep up the good work.
- 61 No.
- 62 The [school] stem program has the potential of being a tremendous educational experience. I wish that the education were not driven towards testing but in the genuine uniqueness of learning in itself. Not teaching to test.
- 63 Favorable to zero bully tolerance, teachers that have reached out to us as they work along side the students.
- 64 I would just like to say this is one of the best schools I have ever heard about.
- 65 None at this time.
- 66 There still seems to be an over-reliance on a blended learning model. TEACHERS should teach - tech should support the instruction, not provide it.
- 67 My child enjoys the school but I do think there should be more of individual student/parent support.
- 68 Though it has emphasized more in math, science and technology but still students are not that good in mathematics.
- 69 Over the past years at [STEM school], my biggest concern/disappointment has been in the staff. Since everything is online, I feel their personal attention to the child's work effort is lacking. They feel the parent should be checking everything and are slacking on their responsibilities. The teachers never say anything to me (or my child) about non-completed work or poorly completed work. If I were not as on top of my child's progress, they would be failing.
- 70 Her teachers are great and the principle is doing a wonderful job.
- 71 No.
- 72 N/A.
- 73 I would like you to read my prior comments about bullying and take them seriously. I realize that [this grade level] is an awkward time in everyone's life, but not acknowledging those isolated kids, not reaching out to the ones who are doing the bullying, these actions in the end have roots in many of the recent school shootings. I don't want our district to be the victims of this type of event because we allow our children to isolate and ridicule those less fortunate than themselves. We should not have kids crying in the bathroom because they are being told they are less than because they don't have the right shoes. Parents, teachers, administrators and students need to come together on this issue and address it. It is not enough to tell them to be respectful. There are also many new teachers that are not being respected in their classrooms, students are shouting out, playing with phones, not listening, not turning in work, and generally disrupting the teaching process. [Specific] grade [level] classes seem to have a number of kids that on a daily basis are disruptive and rude, and yet they go unpunished. These are also kids who tend to bully or belittle their fellow students.










(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at STEM Middle @Baldwin Road Junior High? (Open-ended)

- 74 No.
- 75 I say that [STEM school] is a wonderful school with innovated projects and fun exercise. I recommend all families to go to [STEM school].
- 76 My child has had to work hard his entire school career and he has struggled for a while. He started STEM in [lower] grade and has made a steady improvement each year. This year, he was invited to be in the NJHS and I couldn't be any prouder of him. It has been a combination of his diligence, the curriculum and the excellent teaching staff that he has had over the last three years.
- 77 She loves this school. She has improved more learning from this school than her other school. I tell all my friends and family to send there kids here. Teachers here really care.
- 78 No.
- 79 Not that I haven't already noted.
- 80 My son is in the [specific] grade. He has attended [school for 4 years]. He has absolutely LOVED it!
- 81 I never thought my son would be so excited about [school]! I could not imagine a better team of teachers.
- 82 To many troublemaker students.
- 83 He's had a good experience overall. I feel he's learned a lot and has had a better experience at school because he attended a STEM school.
- 84 Not at this moment.
- 85 I'd like to see smaller class size.

17. Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?

	Responses	Percent
Strongly agree: 	63	31.34%
Agree: 	72	35.82%
Neutral: 	40	19.9%
Disagree: 	17	8.46%
Strongly disagree: 	9	4.48%
Total Responded to this question:	201	82.72%
Total who skipped this question:	42	17.28%
Total:	243	100%





18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?

	Responses	Percent
Daily:	17	8.81%
Weekly:	121	62.69%
Bi-weekly:	20	10.36%
Monthly:	8	4.15%
If other, please describe:	27	13.99%
Total Responded to this question:	193	79.42%
Total who skipped this question:	50	20.58%
Total:	243	100%

18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you? ("If other" comments.)

Response Comments

- 1 Either by text or email is the best way. Or assignment log. I am not a fan of power school...
- 2 The weekly notes are just right. I love them!
- 3 Fine as is.
- 4 It is weekly now and that works great.
- 5 I would prefer weekly and specific to my child's class compared to getting email discussing his math class but also those taking geometry. Emails that are specific just to his course seem more informing rather than generic with two different courses in one email.
- 6 It would help if each teacher included their grade and content area in the Subject line and/or their signature lines of their emails. I have four in Reynoldsburg schools and it's difficult to keep straight which child is impacted by each email that I receive.
- 7 I appreciate the thorough communication but we feel some weeks it's too much info.
- 8 I would like more direction for projects and if my child has not turned in a paper I would like a note or phone call in a reasonable time not told at conference.
- 9 WEEKLY, BUT IF MY CHILD IS STRUGGLING, I WOULD LIKE TO HEAR FROM THE TEACHER ABOUT THAT, SO THAT THERE CAN BE A CHANCE FOR CORRECTION. SOMETIMES LOOKING AT THE ON-LINE GRADES AND ASSIGNMENTS DOESN'T GIVE ME THE FULL PICTURE OF JUST HOW MUCH DIFFICULTY MY CHILD IS HAVING.
- 10 Weekly communication I receive is great.





(Con't.) 18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you? ("If other" comments.)





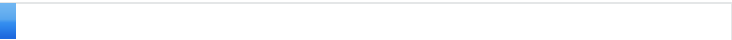
- 11 Math was the only class I received emails from.
- 12 Not all teachers do this. LOVE!! The ones who make the effort!!
- 13 Monthly would be fine, unless there is an urgent issue that requires the parent's attention.
- 14 Seeing that teachers have so many students, as a parent, I feel that if I need to know what is going on in my child's classroom that it is my responsibility to contact them. The teachers at [the school] are already awesome at parent communication. Trust your teachers.
- 15 I liked when they offered or had the agenda books with homework and behavior.
- 16 It's good the way it is.
- 17 And anytime there is an issue with schoolwork.
- 18 Respond to my emails when I inquire about my child's grade.
- 19 Not hearing from anyone but [one teacher].
- 20 Weekly has been fine but daily if something comes up.
- 21 I would usually talk to the teachers every parent teacher conference so that the teachers can talk about how they worked over the whole quarter.
- 22 Weekly, but rather than an end of the week summary, perhaps what to prep for the next week. A syllabus or monthly project calendar with DUE DATES would be so helpful.
- 23 More papers coming home would be great. We are not all tech savvy or have easy internet access. I feel lost with my child's education because everything is done online.
- 24 As often as needed. The teachers have many students and normal lives; however, they need to let parents know when they are having trouble in class and with their homework.
- 25 I would prefer all teachers use the same platform to share information i.e. Google classroom. I think the school should provide agendas and that all teachers require their use. [A different] STEM [school] uses agendas and when kids get to [this school] and don't use them, there seems to be a lot of issues surrounding homework and knowing what they are supposed to be doing. Agendas are essential and I don't understand why they don't continue to be used once they leave [the other] school. If you require them K-8, by the time they reach HS the habit is ingrained and they would no longer need supervision with them. I don't think they need signed in [this school] but providing them and having kids fill them out would be extremely helpful.
- 26 They already communicate weekly.
- 27 Depending on what needs to be communicated. I feel that some items may need to be addressed immediately while others can be part of a more general update provided weekly. It would always be helpful to get as many updates as possible to keep up with where my child is at in regards to a specific class.














Knowledge Capture

19. Do you feel that the Administrative staff at STEM Middle @Baldwin Road Junior High with you on a regular basis regarding what is happening at the school?

	Responses	Percent
Strongly agree: 	47	24.1%
Agree: 	94	48.21%
Neutral: 	39	20%
Disagree: 	11	5.64%
Strongly disagree: 	4	2.05%
Total Responded to this question:	195	80.25%
Total who skipped this question:	48	19.75%
Total:	243	100%

20. What is your preference for communication from the school administrators? (Please check all that apply.)

	Responses	Percent
Text messages: 	90	45.23%
School website: 	61	30.65%
Weekly "Newsblast": 	129	64.82%
Facebook: 	48	24.12%
Twitter: 	10	5.03%
Town Hall Meetings: 	12	6.03%
Evening meetings: 	26	13.07%
Office hours: 	17	8.54%
If other, please describe: 	28	14%
Total Responded to this question:	199	81.89%
Total who skipped this question:	44	18.11%
Total:	243	100%





20. What is your preference for communication from the school administrators? ("If other" comments.)

Response	Comments
----------	----------

- | | |
|----|--|
| 1 | I appreciate the weekly basis. |
| 2 | Emails with grammar checks to understand what is being said. |
| 3 | Email. |
| 4 | Email. |
| 5 | Emails. |
| 6 | Phone call. |
| 7 | Email. |
| 8 | Email. |
| 9 | Email. |
| 10 | Emails. |
| 11 | Personal email. |
| 12 | Emails. |
| 13 | I'm glad that [the principal] has laid off letting everyone know about her personal/home life in her e-mails. Please keep these notes short and concise. |
| 14 | Email. |
| 15 | Email. |
| 16 | Email. |
| 17 | Email. |
| 18 | Email is OK. |
| 19 | Email. |
| 20 | Email. |
| 21 | Email. |
| 22 | Just print it on paper like we used to do! If it's in her book bag I will read it. |
| 23 | Email. |
| 24 | I really love [the principal's] weekly email. It always has the links I need and it keeps me up to date with the school events. |
| 25 | Send letters. |
| 26 | Emails. |





(Con't.) 20. What is your preference for communication from the school administrators? ("If other" comments.)

27 **Email.**

28 **Phone Calls.**





Reynoldsburg City Schools [RCS] eSTEM 2016 Parent Survey Report

This report provides a preliminary look at the survey responses for the ReynSTEM eSTEM 2016 Parent Survey.

The document presents bar charts for survey responses for Qs 1-3, 5-6, 8-9, 11-13, and 15. Questions that provided the option for respondents to add an open-ended “if other” comment are presented in this report as submitted by the respondent. Responses to open-ended questions (Qs 4, 7, 10, 14, and 16) are also presented in this document as submitted.

Thematic analysis of open-ended questions (Qs 4, 7, 10, 14, and 16) and open-ended “if other” comments will be presented in a second document to be issued as a follow-up to this report.

SURVEY PROTOCOL

The survey was drafted on January 20, 2016 and circulated for review and revision. The final version was completed on February 3, and eSTEM launched the survey on Thursday, February 4, 2016. The survey remained open until Tuesday, March 1, 2016. The survey was administered via a secure web-based platform (SurveyMethods®) designed for conducting a confidential and anonymous survey.

The survey had 227 total respondents, with a total of 187 individuals that completed the survey. Note: 38 respondents completed *only* Q1, “Agreement to Participate,” but did not respond to other questions within the survey.

SUMMARY OF SURVEY QUESTIONS AND ISSUES

Q2 is a profile question.

Q4 asked parents to define what STEM means to them in an open-ended format.

Q3, Qs 5-10 and 15 are questions regarding parent’s views on eSTEM as a STEM school. Parents were asked to indicate their choice for a STEM school, level of satisfaction with the STEM program, their hopes for their child, what they like most and least about the school, and where they would like to see improvement. Parents were given a set of responses to choose from, including the choice of “other” with the option of providing an open-ended written response for Qs 8-9. Q7 (hopes) and Q10 (improvements) allowed for open-ended responses, and Q15 asked if parents would recommend eSTEM to other families.

Q11 asked parents to reflect on how they can contribute to support or enhance the school’s goals for the coming school year and included an open-ended response.





Qs 12-14 and 16 asked parents specific questions about STEM education at eSTEM. Q12 invited parents to identify what courses, clubs, or opportunities they felt strongly about their child having at the school and included an open-ended response. Q13 invited parents to identify where they have seen their child engage in high quality STEM work at eSTEM and included an open-ended response. Q14 was an open-ended question asking parents to describe specific examples of their child's engagement with STEM at eSTEM. Q16 allowed parents to share additional observations about their experience as a parent, or about their child's experience at eSTEM.

Qs 17-20 addressed communication with parents from teachers and school administration. Q17-18 asked about current communication from their child's teachers. Q19 asked about current communication from school administration, and Q20 asked for preferred methods of communication from school administration including an open-ended response option.





Knowledge Capture 2016 ReynSTEM Parent Survey: eSTEM

1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rs-stem-school-dd/>).

	Responses	Percent
I agree to participate in this anonymous survey:	227	100%
Total Responded to this question:	227	100%
Total who skipped this question:	0	0%
Total:	227	100%



2. What is your child's grade level? If more than one child is enrolled in eSTEM, please select all that apply.

	Responses	Percent
9th Grade:	77	40.74%
10th Grade:	62	32.8%
11th Grade:	44	23.28%
12th Grade:	26	13.76%
Total Responded to this question:	189	83.26%
Total who skipped this question:	38	16.74%
Total:	227	100%





3. Did you choose to send your child to eSTEM because of the STEM program?

	Responses	Percent
Yes: 	172	91.01%
No: 	17	8.99%
Total Responded to this question:	189	83.26%
Total who skipped this question:	38	16.74%
Total:	227	100%

4. What does "STEM" mean to you?

	Responses	Percent
Total Responded to this question:	158	69.6%
Total who skipped this question:	69	30.4%
Total:	227	100%

Response Response Text

- 1 Science, technology, engineering & math.
- 2 An academic focus on Science, Technology, Engineering and Math.
- 3 Ensuring that my son is even more prepared when furthering his education after High School.
- 4 A STEM education is not just learning out of a textbook, real world is the foundation. I believe STEM learning is hands on.
- 5 STEM to me means going beyond the standards and test scores. STEM means the application and deep understanding of all concepts whether they are literary, science, or math concepts. It also means having opportunities to go beyond the classroom to use their skills in the real world.
- 6 Emphasis on science, engineering, technology and math.
- 7 A focus on math, science and technology.
- 8 Better opportunities for academic growth for my child!
- 9 Science Technology Engineering and Math - core pieces of a flexible career path with the potential for long term growth.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 10 STEM is an educational opportunity, which puts the primary focus on science, engineering, and math, with an emphasis on using the latest technology by both the teachers and the students. It gives students an opportunity to develop skill sets in these areas which should prove helpful in their college experiences, as well as serving as an asset in future employment.
- 11 Innovative, cutting edge...It is a program that is where the world is heading. Technology, engineering, problem solving. Hands on learning. College readiness. The kids are not only learning the core classes they are learning skill that will carry them into the future.
- 12 STEM to ME, means children are learning from an inquiry-based perspective with emphasis heavily applied to the subjects of science, technology, engineering, and math.
- 13 The approach to learning while tying in science, technology, engineering and math will give the student a well-rounded basis for ongoing education.
- 14 Emphasis on math & science.
- 15 Science, technology, engineering, and math.
- 16 College Prep.
- 17 Students stressed out because curriculum is force into them in 18 weeks. Time wasted in Fusion and Flex, make them subject review, SHs, tutoring Everyone not getting the creativity, ARTS classes, needed to apply logic Make the math and science courses all year, stop forcing AP classes on kids just for a great rating in US News and World Report. Offer Arts in the program so kids see more connections between things rather than being forced down a narrow pathway. High School is exploration and preparation for college or workforce. STEM has little exploration. "Logic will get you from A to B. Imagination will take you everywhere" - Albert Einstein
- 18 A focus on science, technology, engineering and math.
- 19 Science Technology Engineering and Math. Sometimes Environment as well. In a broader sense it means a student who can take a problem, look at it from several different vantage points, and come up with several ways to solve it.
- 20 A direct path that focuses on curriculum relating to the field that the children feel they may choose as a career.
- 21 Expanding the way kids learn in all subjects by using science technology engineering and math as the vehicle.
- 22 Hands on learning with an emphasis on technology, engineering and math.
- 23 [School] means a great deal that my child and I because that what she want to focus on the materials that she studies to get her into the college and carrier she wanted to be.
- 24 Other than the obvious. It means a jump-start on my son's education, which by the way he has excelled in with a cumulative GPA of a 4-4.1. He has moved along smoothly with the courses he has taken. The only thing I wished is that this would of happened sooner. I have an older son who graduated from [district] in 2011. He is now in his Masters of Science and Environmental Study at OU I know for a fact this would have been a great fit for him. Keep it up because I have an 8th grader coming to [school] next year!
- 25 An opportunity for my child to have advanced education in the areas of Science, Technology, Engineering, and Math.
- 26 Science, Technology, Engineering, and Math, but basically it means a better education.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 27 A chance for my son to learn among like-minded children with out being picked on for being a geek.
- 28 Success!
- 29 Science Technology Engineering Math.
- 30 Science technology engineering math to teach students to problem solved and think outside the box.
- 31 Science Technology Engineering and Math.
- 32 Concentrated studies in science, math, engineering, technology. Focus on those items.
- 33 A more rigorous program.
- 34 I feel even though I know what the letters stand for, STEM provides for a better path to college. It is more innovative, and will rapidly grow throughout The US.
- 35 A strong science and math core to education.
- 36 It means science, technology, engineering, and math, but it represents a disorganized program where students consistently waste time watching others present in class as "punishment" for not completing homework and teachers who are disengaged and disorganized.
- 37 A strong focus on Science, Technology, Engineering, and Mathematics.
- 38 A quality set of classes and curriculum (and teachers) focusing on problem solving in Science, Technology, Engineering and Math - probably should be STEAM and include Art (Design).
- 39 Student opportunity to excel in academics with a concentration on Science, Technology, Environment & Mathematics subject matter. Student opportunity for dual-enrollment in college credit coursework and opportunity for growing learners and future leaders.
- 40 STEM is a program that incorporates the sciences and math as well as integrating language arts to enrich learning by teaching independent innovation and allowing students to experience a greater depth of all of the subjects by applying the skills learned. These are specific skills that are going to be must in order for today's students to be tomorrow's leaders.
- 41 The Science, technology, engineering, and math.
- 42 Education with emphasis on Science, technology, engineering, and math.
- 43 Education focusing on Science, Technology, Engineering and Math.
- 44 Geared towards kids that scored high in the math and science. Also for students that are looking to major in computer science or engineering. Any subjects pertaining to Math and science.
- 45 Enhanced science and math education.
- 46 Future success and longevity for tomorrow's leaders.
- 47 Emphasis on science, technology and math. Thinking creatively and critically to solve problems.
- 48 Science, Technology, Engineering, and Math It also means a style of education that should embed problem- or project-based learning, is more hands-on, and that requires students to engage in a more multi-disciplinary, practical, critical style of learning.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 49 That my son gets to design, create, and build things, using science, technology and math. It provides an opportunity before college to decide if this is what he wants to do in his career. It gives him ideas on what all he can do with these skills in his future.
- 50 The opportunity for my children to have hands on learning in an environment which encourages critical thinking, processes and systems thinking, and problem solving at their own pace.
- 51 Self-explanatory.
- 52 New and personalized learning in the subjects my son excels in...Science technology engineering and math.
- 53 Science, technology, engineering, and math.
- 54 Science, Technology, Engineering, Mathematics.
- 55 HANDS ON LEARNING WITH A FOCUS ON SCIENCE AND MATH, BUT NOT TO THE DEFEAT OF THE ARTS, HISTORY OR LANGUAGE.
- 56 Science, Technology, Engineering, and Math. It also means that the student population there is predominantly the students who will be respectful, want to learn, apply themselves, are likely band members, have parents who hold them accountable for their choices, and who are currently putting RHS on the countries map. They are students who do not want to be among the students making disrespectful choices, being over sexualized, not working on their academics, and creating difficulties or hardships for the students or faculty of the school.
- 57 More than just basic education.
- 58 Science Technology Engineering and Math. It should be thru hands on activities, which is not. We are too busy testing for anything like that.
- 59 Science, technology, engineer and math.
- 60 High expectations and rigorous curriculum for my gifted student.
- 61 An emphasis in technology, science and math.
- 62 Science, technology, engineering, and mathematics. Focusing on real life education.
- 63 It means that my child's education will focus around science, technology, engineering and math. All of which will help him succeed in the future.
- 64 Science, Technology, Engineering, & Math.
- 65 Science, Technology, Engineering, and Mathematics.
- 66 Science Technology Engineering Math...It means curriculum centered around these 4 areas of studies. Encouraging students who are stronger in these areas to seek job opportunities in these fields, and preparing them for such.
- 67 Science, technology, engineering, mathematics.
- 68 Opportunities for my child.
- 69 Science Technology Engineering and Math.
- 70 Project based learning, focusing on the discipline areas of Science, Technology, Engineering and Math.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 71 Working towards what my child wants to possibly get a college degree in.
- 72 Education based in science, technology, engineering and math.
- 73 Technology education focus.
- 74 Collaboration with a focus on math and science.
- 75 The science, technology, mathematics, and environment.
- 76 Science, technology, engineering, and math.
- 77 Science, Technology and Engineering and Math. Quality and diverse education and a head start on the future.
- 78 Science, Technology, Engineering & Math focused school.
- 79 An education where my child can gain the knowledge needed to be competitive in our technological society as well as have the opportunity to experience a non-traditional education.
- 80 My son has a love of science and we felt that the [school] program would be best for him as it focuses on science technology engineering and math.
- 81 Opportunity to learn something more besides the basics.
- 82 Emphasis on math and science skills and opportunities.
- 83 To be honest a way for the school to make money by making the kids guinea pigs to a new program. I know they are getting money to do that. There was no choice for [school] or the traditional education.
- 84 Opportunity for better educational curriculum and for early college credit.
- 85 Science, Tech., Eng., Math.
- 86 More in depth classes and more adultish.
- 87 A solid opportunity for my child to study in areas that will enable him to graduate, go onto higher education hopefully and earn a decent living.
- 88 Higher learning.
- 89 Opportunity to do real world problems and innovative projects in classes. Using design cycle to improve quality of projects.
- 90 Science, Technology, Engineering and Math.
- 91 Well rounded.
- 92 STEM means hands-on learning and project-based learning. It means using the design cycle to solve real-world problems, primarily in the areas of science, technology, engineering and math. It is an approach to learning, all learning, which uses hands-on analysis that can relate to real-world situations.
- 93 An enriched science, math, and engineering background.
- 94 Hands on learning, real life experiences.
- 95 There will be a stronger emphasize on science, engineering, technology and math.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 96 Engineering, technology, and innovative.
- 97 Better opportunities.
- 98 An opportunity for my children to get a great education and to become educated in their areas of interest, which may raise the chances of them becoming successful when they pursue their college education.
- 99 Intensive instruction designed around hands on delivery style focused on Science, Technology, Engineering and Math.
- 100 Opportunities for more in-depth learning in the areas of science, engineering, technology and math.
- 101 It's an acronym for Science, Technology, Engineering and Mathematics.
- 102 Success on everything.
- 103 A higher and more focused level of math and science that supports successful transition to secondary education.
- 104 Science, Technology, Engineering and Mathematics.
- 105 More resources for a better education for my child.
- 106 Higher more rigorous education.
- 107 Science, Technology, engineering, and math.
- 108 The courses that are taught with STEM based learning provide students with real life problem solving lessons and a hands on experience.
- 109 Strongest curriculum offered. Also pushes my daughter harder to prepare her for college and increase scholarship offers.
- 110 Science, technology, environment available and math.
- 111 Advance learning for high education and college prep.
- 112 Education with a stronger focus on Science, Technology, Engineering and Math.
- 113 Higher level thinking and more problem solving.
- 114 Quality education.
- 115 It means a more progressive, challenging and preparedness for college way of learning.
- 116 It's beyond school, great.
- 117 Focused learning on science, technology, engineering, and math.
- 118 Better way of learning.
- 119 Science, technology, engineering, mathematics.
- 120 It means study on the future career and quality education.
- 121 Hard science curricula.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 122 Heavy on science and math.
- 123 Everything through a scientific perspective!
- 124 Success.
- 125 Advanced focused education.
- 126 Science Technology Economics and Math.
- 127 I personally do not like the stem programs.
- 128 Well, it stands for science, technology, engineering & math. I look it as a curriculum with a heavy focus on science and math.
- 129 Educational advancement to ultimately contribute to the success our country will make in the realm of science, technology, engineering, and math application.
- 130 Interdisciplinary, problem-based. Also, the pathways featured there are focused on related disciplines (i.e. computer science)
- 131 Math, science, engineering.
- 132 Science, technology, engineering, math.
- 133 Science, technology, engineering, mathematics, and focusing on problem solving for real world problem solving.
- 134 Math and science based education.
- 135 Science, technology, engineering, and math.
- 136 A curriculum with a focus on science and math.
- 137 Science, Technology, Engineering, and Math centric program.
- 138 Successful.
- 139 Happiness! We are a science and mathematics family so having the opportunity for our child to focus on this at [school] is amazing.
- 140 Science Tech, Engineering and Math.
- 141 We love science and math. We think it is the core to a good education.
- 142 We believe STEM means an educational pathway that will provide a more rigorous academic education for our child and also provide the tools and knowledge she needs to be able to compete for good-paying jobs in those fields.
- 143 Science, Technology, Engineering & Math.
- 144 An education focused on science, technology, engineering, and math. These areas are emphasized and offer accelerated learning.
- 145 Focus on Science, Technology, Engineering, and Math.


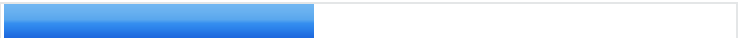






(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 146 It means a fancy title on my child's diploma and, at least at [school], something that is overrated. It also means more money for the school that goes into useless flat screens in the hallways and a brand new Fab Lab that not everyone gets to use. Oh, it also means more focus on engineering, less on the S and the M.
- 147 Science, Technology, Engineering, and Mathematics education.
- 148 Stem is more advanced then the other school. It also prepares the student for college courses. It is also nice that they can have a 2-year degree before they graduate.
- 149 Science technology engineering and math. Technology related teaching geared towards math and science.
- 150 Higher level thinking required; application of knowledge to real life scenarios; challenging curriculum.
- 151 Science technology engineering and math...process in which children are learning and areas of focus.
- 152 Stem is a school that challenges and motivates my student to be the best student/person that he can be. I have seen him grow, and earn, and accomplish so much in so little time. I'm very proud and see a great future ahead for not only my student but for any student and family in this program. I'm very proud to say that my student is a STEM student.
- 153 Science, Technology, Engineering, Math - College Prep.
- 154 Was hoping for more of a hands on learning approach. School is also closer to home.
- 155 What Science, Technology, Engineering, and Math (STEM) means to me is the ability to use "hands on" training and creative thinking to solve everyday issues. STEM also helps me become a productive leader in today's society.
- 156 Students and Teachers Embracing Modern technology.
- 157 Unlocking children's potential while allowing them to explore.
- 158 That my son will be able to take the next step towards his future as an engineer.

5. How satisfied are you with the STEM program at eSTEM?

	Responses	Percent
Very satisfied: 	98	51.85%
Somewhat satisfied: 	75	39.68%
Not satisfied: 	10	5.29%
Unsure: 	6	3.17%

Total Responded to this question: 189 83.26%





Total who skipped this question: 38 16.74%

Total: 227 100%





6. How satisfied are you with our ability to meet your child's individual educational needs?

	Responses	Percent
Very satisfied: 	85	45.7%
Somewhat satisfied: 	76	40.86%
Not satisfied: 	21	11.29%
Unsure: 	4	2.15%
Total Responded to this question:	186	81.94%
Total who skipped this question:	41	18.06%
Total:	227	100%

7. What are your hopes for your child as a result of attending a STEM school?

	Responses	Percent
Total Responded to this question:	159	70.04%
Total who skipped this question:	68	29.96%
Total:	227	100%

Response Response Text

- 1 I hope that he is well prepared for the challenges of college.
- 2 She is pushed academically, has the ability to take classes that meet her interests and has an outstanding opportunity to take college level classes.
- 3 That he is able to have a better understanding of whom he is and what he wants to do in life.
- 4 I hope my child is ready to function in the real world and is capable of a job in in-demand career fields.
- 5 My hope is that no matter what my child chooses to study in college, he will be able to analyze, process, and examine concepts beyond the surface. I want him to be an independent student and thinker.
- 6 Be prepared for college curriculum.
- 7 To be challenged in all subject areas. Work will revolve around math, science, and technology, which is what my student is interested in.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 8 Hope of my child completing college with a master's degree or above. I hope with her attending STEM that it is showing her what hard work it will take to complete her education for a much brighter future.
- 9 She will be well positioned for college and beyond.
- 10 Hoping that he can build on the foundation being laid at [school] in college, and then capitalize on this education in his career.
- 11 It will engage his love of technology along with preparing him for College. He will learn good problem solving skills and collaboration skills.
- 12 That she receives a well rounded education and acquires the knowledge, discipline, maturity, and preparedness that are needed to have a successful college career.
- 13 My hope is that he has learned lifelong skills that will enable him to succeed in his post-secondary education and life. He will know how to use critical thinking skills, study skills and the general ability to "think outside the box"
- 14 Excellent education with a chance to experience engineering so he can confirm that is his career choice.
- 15 Success as an adult.
- 16 My hope is she's able to not only gain a greater knowledge of the areas of STEM but also be challenged more academically with having the opportunity to complete college level courses in the area she's interested in.
- 17 They survive. A psychologist we know says she has a lot of students from the STEM H.S. and they all talk about the enormous amount of stress they have in that program. Are we fostering individual help for students, or forcing a program and then discarding those that get stressed with the words, "They can always go to a different Academy!" These students are not adults, If the average College student changes their major 3-4 times before they graduate, and who knows how many are actually working in their fields of study, so why does the district put this undue pressure on students to pick their career at 13/14 years old, pathway at 15/16? That math does not add up.
- 18 Having increased awareness of the world around us, understanding of the big picture in life and access to more opportunities for his future.
- 19 I hope they have the ability to problem solve, not just answer problems with answers they have memorized, but use the information they have learned in new ways to invent or create new solutions. I hope that the rigor of their course is apparent to colleges and helps in their application/acceptance procedures. I hope that they take more ownership in their education by being able to pick their own classes and course work.
- 20 That she would get more individualized attention and the children in her class would be like-minded.
- 21 I hope they are able to use my child's creativity and intelligence to expand his knowledge and maximize his potential.
- 22 To receive an excelled, competent education with hands on education.
- 23 To be prepared for the real world of computers and work collaboration.
- 24 Well-rounded student.
- 25 To be the best and get to the best college of her choice.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 26 To continue to excel and have challenges to help him get a feel for college life and to better prepare for the REAL world!
- 27 I hope for him to become more aware of the opportunities that are out there so he can make a better-informed decision about his higher education. Also, I hope for him to gain confidence in his areas of interest.
- 28 My hopes are that it will prepare him better to meet the challenges of the 21st century, most notably better prepared for all that college will throw at him.
- 29 To help him on a pathway to a great career.
- 30 Go to college.
- 31 Get the best education possible. Earn college credits.
- 32 To find what his strength is and develop it into a career he can support himself with.
- 33 I hope my girls pursue a STEM career. If they decide not chose a STEM field, they will have more than basic understanding of STEM.
- 34 Good base of knowledge in STEM areas.
- 35 To be prepared for college.
- 36 To get as many Columbus State credits as possible. Also, enjoy some of the more dynamic Educators, such as [teacher] and [teacher].
- 37 A solid foundation on which to build on in college.
- 38 To not fall too far behind her peers in Ohio and beyond.
- 39 Get ready for college and get a good start for college.
- 40 A continued interest in science and technology - a continued interest in making things and figuring things out with an intelligent problem solving process.
- 41 I want my student (and us as his parents) to partner with [school] for his successful completion of the best Pathway suitable for his gifts and abilities and to include the successful completion of dual-enrollment college credit coursework for his development in growing as life-long learner and leader in our world.
- 42 My hope is that my child will be prepared to secure the education and experience to seek the career he is passionate about.
- 43 A science and tech background.
- 44 I'm hoping that my child is inspired to further his education.
- 45 Prepared them for college.
- 46 A solid foundation in math and science.
- 47 She has received enough skills/education to compete & thrive in the 21st century technology.
- 48 Career advancement. The early exposure to stem concepts place my child ahead in the field.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 49 Reach her full potential.

- 50 That he emerges as a more thoughtful, creative, collaborative problem-solver. That he knows how to approach new learning needs that may arise in his future. That he is well prepared for college.

- 51 That he will have a better idea of what he wants to do when he goes to college. That he might learn some things he will need for his chosen major.

- 52 Being successful in the college setting due to the foundation built at stem. Ability to problem solve as adults. Possibility of scholarships for advanced learning opportunities. Early college opportunities.

- 53 Finish early.

- 54 I hope that he has a head start in the career he chooses.

- 55 Getting into college, getting college credit before getting to college, and possibly getting some scholarship opportunities.

- 56 Ready for college.

- 57 THAT THROUGH THE SYSTEM OF MASTERY, OUR DAUGHTER WILL CONTINUE TO EXCEL AND GAIN A FULL EDUCATION, WITH NO GAPS.

- 58 That they will be academically prepared to explore learning if they pursue college, that they will understand the value of being educated, but more importantly that it is an ongoing process, and that being open to learning new things keeps one humble and vital. That they will be well rounded in their areas of knowledge and experience, that their knowledge will not simply be academic and ethereal, but will be practical and applicable.

- 59 Better understanding of modern technology and processes.

- 60 I expected more science classes. That's why it was chosen. I would have preferred a much more rounded education. The ability to think and to problem solve.

- 61 College readiness with an edge.

- 62 A passion for learning, preparation for college, and opportunities to earn college credits in high school.

- 63 A very strong foundation in science, math, and technology.

- 64 Clearer knowledge on fundamentals needed for higher education.

- 65 That he will be well prepared for college and then a long lasting career in his field of choice.

- 66 Gain admission to a quality-engineering program.

- 67 I hope my child will continue to get the education he deserves & needs and to also accomplishes all the goals he has for his future, to graduate and attend the college of his choice.

- 68 To be able to succeed in an engineering program at a collegiate level afterwards being able to have a successful career as an engineer.

- 69 College ready, some college classes

- 70 My daughter took her first ACT this month. Scored a 29!





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 71 College and workforce ready when he graduates.
- 72 To gain an insight to engineering job possibilities through the experiences she has had/will have. Also, through the specific extra curricular activities only provided by [school] academy. (i.e. robotics)
- 73 My son is interested in aerospace science. I'm not sure how much his getting out of the program if he wants to major that in college.
- 74 More understanding of their chosen field.
- 75 Recognition of an advanced education using technology. Increased opportunities for college credit, new learning settings, a global awareness.
- 76 I would hope my child would have the opportunity to learn about technology through the themes in their pathway.
- 77 To prepare her for college.
- 78 Technical curriculum in college.
- 79 None. My son was bullied so much by students and teachers I took him out. Not at all what I would want for my child. Nothing was done about the bullying and my child refuses to attend public school.
- 80 A greater focus in learning the STEM curriculum...
- 81 To be offered acceptance to a great university where education can be expanded and opportunities are plentiful.
- 82 My son's self esteem has skyrocketed since starting at [school]. My hope is he will continue to find inner confidence as he continues on a STEM path. I hope that the STEM program can help him prepare for and look forward to continuing his education in college.
- 83 To learn about different opportunities in the science fields.
- 84 He has a strong skill set in math and science and an understanding of the practicality/careers possible in this arena.
- 85 My hope is that he is just as prepared for college as my daughter was. She didn't have to go through [school].
- 86 To be able to get into a good college.
- 87 I would like my child to be a real-world thinker, creative and a problem solver.
- 88 That they do college courses and like there school and programs.
- 89 That he master studies in math and science that will help him to make informed choices about what he wants to do for a livelihood.
- 90 Have more knowledge.
- 91 Improves quality of work using design cycle. Exposed to different topics and different ways of looking at solutions.
- 92 My hope was that he would be getting courses in computer science and engineering.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 93 College ready.
- 94 I am hoping that WHATEVER field of study he pursues in college (and eventually later in life), attending [school] will prepare him for the rigor and creative-thinking that he will need to pursue that career successfully.
- 95 Better prepared for college and the work force.
- 96 More prepared for college.
- 97 I would like for them to have a rounded education with a strong background in science, engineering, technology and math.
- 98 I hope my child obtains a great education that will prepare him for high education and provide insight to potential careers STEM based.
- 99 Better education better opportunities.
- 100 That my children earn college credits and will begin to develop a plan for their future as they progress.
- 101 A degree in a STEM field.
- 102 I hope my child is satisfied in his chosen pathway of computer science. It is something that greatly interests my child.
- 103 To enhance his critical thinking, creativity, interpersonal skills and social responsibility.
- 104 A great college.
- 105 To develop a realistic career goal that is personally satisfying and rewarding.
- 106 That he will be able to walk away feeling like he actually learned something that he is interested in.
- 107 4-year college pathway.
- 108 Extremely prepared for college classes as well as taking college classes in HS to get a head start and save money.
- 109 To be prepared for college.
- 110 I hope that attending a STEM school will not only provide my child with a head start in college, but that this learning environment will also provide my child with the critical thinking skills necessary to succeed in life.
- 111 College scholarships. Broader range of majors to consider because she has touched on more topics while in high school. Possibility to earn college credits via AP and also OSU program.
- 112 That my child is able to go to college, and have an easier transition between high school and college.
- 113 Unsure at this point.
- 114 A good education that provides him the opportunity to do whatever he wants in the future.
- 115 Remain in her same academy but still take college classes offered to other academies.
- 116 College classes participate.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 117 That he is more prepared for college.
- 118 A bright future.
- 119 He will obtain the necessary knowledge that will help him as he applies for college and will be prepared for college.
- 120 Better education.
- 121 Have better problem solving and analysis skills.
- 122 Very high hopes.
- 123 Better chance at getting a good job in the future.
- 124 To be prepared for the rigors of the most challenging universities in Ohio.
- 125 Well prepared for college.
- 126 Academic advantage when applying to universities.
- 127 Attending college.
- 128 As the parent of a gifted child I had hoped, my student would be met with exciting challenges, but instead, like usual, they are taught to a test that does absolutely nothing to help their education in anyway. The school, administration and teachers have let down each and every student in the Stem academy.
- 129 N/A.
- 130 That he will graduate with a well-rounded education.
- 131 A true appreciation and understanding of building a firm foundation now to secure a better future and greatly contribute to society.
- 132 Here I'm more concerned with the early college part than the STEM part. He is already interested in science fields. I appreciate the opportunities to further and foster those interests. I really appreciate the opportunities for him to accelerate his education.
- 133 Advanced education. Scholarships.
- 134 Being prepared for college.
- 135 A more well rounded student for advanced education.
- 136 To be better prepared for college.
- 137 That he will have a good understanding of STEM subjects but also get a well-rounded education.
- 138 I hope she will pay attention, work hard, and learn something.
- 139 She will be prepared for college and ready to rock further.
- 140 I am hoping that he pursues his dream of becoming a biomedical engineer.
- 141 To prepare them for college with a strong math, communication and project oriented experience.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 142 To be able to enroll into a college of choice that can further his love of mathematics, science, and engineering.
- 143 We hope that she will be well prepared for the challenges of college, no matter where she chooses to go, and then entering the workforce. We also hope that she has a good experience attending school with other students who have similar interests and desires to excel in these areas of study.
- 144 Was hoping that they would find a career in STEM that they are interested in.
- 145 My hopes are that students will receive a foundation that will prepare him for college and higher education studies in engineering. I selected the [school] academy because my son is interested in engineering; however, I'm finding that the curriculum strives to complete 18 weeks worth of work in 9 weeks. I'm don't believe students are able to truly grasp all needed in classes because teachers need to complete the lesson plans within the 9 week period. I would like to see more focus on making sure the students really learn the material. While RSD has a mastery grading system, I don't believe the students are actually mastering the work being taught.
- 146 I hope my child will have the opportunity to explore science and technology related subjects and find an area that interests and inspires him.
- 147 Being able to think outside of the box.
- 148 To be able to receive a degree before he graduates. Also to help him decide what career he would like to persuade in the future.
- 149 Easier transition to college.
- 150 Getting ahead on college and being truly ready for college level work and beyond, having the skills and knowledge to understand how to make choices and apply information, learning study skills, and having a good introduction to many disciplines to choose a career path.
- 151 I just want my child to graduate. I originally hoped he would learn problem-solving skills he could use in real life.
- 152 My student wants to be in college. I feel that this school is preparing him to meet/exceed his goals on where he wants to be going forward in life.
- 153 I would hope she would be prepared for college. However, the coursework is designed for above average students, with little accommodation to the development of those needing additional help or learning levels, other than occasional after school help, which is a transportation difficulty.
- 154 Graduating prepared for college or career.
- 155 Well-rounded student. A strong foundation in all the course work that has been provided.
- 156 My expectations for this school is to prepare her for college i.e. continue to take college prep courses.
- 157 To get the education and help on motivation to continue to lean and succeed in her future.
- 158 To succeed in electrical engineering and this bra the stepping stone.
- 159 That he would obtain the right told that would shape his college education and career.





8. What are the things you like most about eSTEM? (Please check all that apply.)

	Responses	Percent
Quality of instruction:	91	48.66%
Real world problems:	95	50.8%
Course offerings:	87	46.52%
Projects/Activities:	75	40.11%
Teacher/Classroom support:	84	44.92%
Double-blocking:	62	33.16%
Design thinking:	84	44.92%
Early College:	141	75.4%
Pathways:	56	29.95%
If other, please describe:	22	11%
Total Responded to this question:	187	82.38%
Total who skipped this question:	40	17.62%
Total:	227	100%

8. What are the things you like most about eSTEM? ("If other" comments.)

Response Comments

- 1 Early college for those that are qualified, but don't force it on everyone.
- 2 The teachers. Really wish the school admins would realize how they and their ways of doing things only hold them back from doing their job.
- 3 Early College only if the student is ready and able to manage this rigorous level of course work.
- 4 This was mentioned before, but I need to say that a good portion of the teachers at the STEM are incredibly supportive, dedicated, and available to help students. It is very appreciated!
- 5 N/A.
- 6 The material is challenging, but the lack of support and dedication from the teachers is appalling.
- 7 Sometimes I think the Pathways might be too specific - and as for early college, while I like the option for students to get some college credit/class experience - I think sometimes it's at the expense of stress and missing out on being a kid - they have to grow up soon enough - seems like we push them too fast, too far - too early sometimes. It's not for every kid - even smart kids.





(Con't.) 8. What are the things you like most about eSTEM? ("If other" comments.)

- 8 Although the teaching staff has proven to be highly qualified and invested in the education and well being of the students, I have found that my child's geometry teacher has been neither helpful nor understanding to the needs of the class. We have communicated with him several times this year, only to hire an outside tutor to teach the lessons that we feel were not being effectively taught within the classroom.
- 9 There are items on here that I would like to like, but I still think that [district]'s resource issues (especially staffing limits and retention challenges) mean that they are not to the quality that currently allows me to "like" them. I would like to like Instructional quality (most has been good, but the best have left), course offerings, and design thinking (also - when he's had it, it has been good.)
- 10 MASTERY SYSTEM, SO THAT THE KIDS DON'T HAVE TO MOVE ON UNTIL THEY READY.
- 11 [Principal]. [Principal] is an amazing principal and quite frankly should be the head principal for the district. He is intelligent, balanced in his thinking, levelheaded, and he loves what he does in being able to facilitate an excellent program of learning for students in [district]. [Principal] balances his administrative and management, with program development and enhancement and growth. But he never loses sight of what is most important--people. Whether it is a parent, a student, or a faculty or staff member, you always feel like your moment is the most important moment to him right now when in his presence. This is an outstanding characteristic!
- 12 PRINCIPAL [last name of school principal]!
- 13 Nothing because my child could not focus due to the bullying.
- 14 I also appreciate the school itself, the open building and spaces, the natural light, the leadership that makes it a safe and comfortable place to learn.
- 15 Excellent robotics program and team.
- 16 Courses outside of science and math, such as philosophy, have a balancing and profound impact on thought development.
- 17 Although I favor early college for those who are ready, I do not like the excessive focus on it, as a stress on students who aren't ready, and as a pressure to dilute value of early college offerings.
- 18 The culture of achievement and growth mentality.
- 19 Nothing at all.
- 20 The technology course offerings and the staff. My child struggles with ADHD and organization. The staff at [school] has been wonderful about getting my son the supports he needs to be more successful at school.
- 21 Robotics team.
- 22 I really like the weekly progress emails!! This was a great addition!!





9. What aspects of eSTEM do you like least? (Please check all that apply.)

	Responses	Percent
Quality of instruction:	16	10.32%
Real world problems:	18	11.61%
Course offerings:	45	29.03%
Projects/Activities:	24	15.48%
Teacher/Classroom support:	30	19.35%
Double-blocking:	48	30.97%
Design thinking:	10	6.45%
Early College:	15	9.68%
Pathways:	41	26.45%
If other, please describe:	63	40%
Total Responded to this question:	155	68.28%
Total who skipped this question:	72	31.72%
Total:	227	100%

9. What aspects of eSTEM do you like least? ("If other" comments.)

Response Comments

- 1 I wish the options were easier to understand, there are so many (which is wonderful) but gets confusing.
- 2 1. The computer science class is not computer science and my student is completely bored. So far they have gone over working in groups, thinking process and things my student has done for years. 2. My student was in the Gateway program for 4 years and is not finding his freshmen year nearly as challenging or interesting as his Gateway classes.
- 3 Since we are new to [school] I am not sure.
- 4 None.
- 5 I really dislike the ability to have liberal arts options as electives. There is limited chance for exposure to philosophy and art and even some business basics that need to be part of education.
- 6 I believe Pathways need to be more conducive to the child's academic abilities as well as their goals. I don't feel they're set up in a way that addresses both.





(Con't.) 9. What aspects of eSTEM do you like least? ("If other" comments.)

- 7 Double blocking leads to wasted time and lack of actual retention of concepts and objectives, which is student learning. With all the AP classes that the students take, what is the rate of getting a 3 or higher? Are we getting enough quality AP scores that say teaching a yearlong course, crammed into a semester is justifiable?
- 8 Lack of direction on how to proceed if the child is struggling or may not get credit for a class. Lack of individualized planning based on child's skills & interest. Often feel lost or unaware of options available or the impact of decisions being made early on.
- 9 They could spend more time on each subject.
- 10 High teacher turn over rate, especially in core classes, such as Math. Many students at this age have no idea what they want to do career wise or what field of study in college thus Choosing a pathway can be intimidating to most students thus adding more stress to the student. Overload with testing which has caused many students to have various issues relating to anxiety, panic attacks, and depression. It's about the numbers, how well the school ranks/performs.
- 11 None.
- 12 Would like more parent communication, especially with conferences and such.
- 13 Seem to be a lot of turn over with the teaching staff. My kids don't care much for the double blocking, they say it is a really long time just sitting and listening to the teachers talk.
- 14 Some students don't work hard or respect teachers and assigned work. Attending STEM should be a privilege and those who are not making the best of the opportunity need to go. My son shares regularly that kids are not doing the work, talking in class, disrupting class etc. and nothing is done about it. My son is there to learn and is motivated but it is sometimes difficult when teachers have to spend more time with those students who are not putting in the effort they should.
- 15 I wish there were more electives for the students to explore other interests.
- 16 The quality of the high school instructors is second rate.
- 17 Some communication from the school has been lacking or provided too close to deadlines. Please provide information to both students and parents as quickly as possible (especially relative to dual-course college enrollment). Parents need help guiding students in this vein; therefore, school communication is vital for success of our students and the program.
- 18 I don't feel students get a strong foundation in math in one semester. It's also difficult for them to catch up if they've been out ill or not grasping a concept quickly.
- 19 Unfortunately, there is a gap between many of the experiences found in the [school] programs and the real world. My perception of the design thinking is the students download projects from the web and using them instead of actually designing their own designs. Pathways are inconsistent. Some pathways are good, others not so much.
- 20 Double blocking has created huge issues for the schedule. My daughter should be in Spanish II and was not able to take it because of the schedule. She was also placed into two different electives that she did not choose nor have any interest in taking.
- 21 How students are just a test score and picked from the cream of the crop to represent.





(Con't.) 9. What aspects of eSTEM do you like least? ("If other" comments.)

- 22 History, in particular, is being taught from a biased liberal viewpoint. History is just that, history. It's what happened and needs to be taught factually, and from 3 vantage points: What was said or done at the time according to the writings of the time, what do we know now that we didn't know then (e.g. Kremlin documents now declassified now shed new or broader light on the subject), and what can we learn from it in hindsight based upon good or poor results. Nothing more.
- 23 Lack of books seems to be a problem.
- 24 Difficulty in resolving motivational conflicts.
- 25 Not impressed with my child's math teacher. The teacher seems very disorganized and struggles to explain the concepts to students in a way they can understand.
- 26 Need more extra curricular groups to join for social development.
- 27 Would like more one on one instruction on what classes to take, what happens if a class is not mastered, options for classes year to year. For example, if we don't take a class now, will we be able to later, what options are available for upper classman that we need to prepare for now?
- 28 The IT pathway is really weak. Students are only presented with minimal and very high level IT concepts.
- 29 The uneducated teachers.
- 30 Not having the ability to take PE or Health classes during the school day with a live teacher.... We realize that it is offered on line, but not every student can learn on line.
- 31 None.
- 32 I wish that there were a course booklet that parents can obtain to assist in the child course selections. Also, I wish that there were an option to choose between double blocking and a regular block for some courses.
- 33 Scheduling issues; complexity.
- 34 The amount of homework given. It is unreal. My child is working on homework until bedtime and still not always completed. There is such a thing as too much and no one seems to be keeping track of it.
- 35 Group activists that my kids have participate in have all too often left them doing most kid the work and not a lot of accountability for those students that don't do their fair part.
- 36 I don't think it is necessary to cram major courses into a semester. The common core calls for depth. It is impossible to have depth if such intense coursework is rushed.
- 37 Taking two years worth of courses in one year (double blocking). For me, it seems like it is too rushed and the student fails to learn what he needs to learn, i.e. English 9 and English 10 in the same year.
- 38 Sometimes the double blocking does not lend itself well to the high school environment. For example, with AP courses. I understand that help is offered if a spring AP course is taken, but adding the extra study in each week to keep things fresh -- in lieu of complete submersion one would get in a regular, year-long class -- makes things extra challenging. It lends itself in other ways though -- like total submersion for longer periods of time during the day in order to get a better comprehension during that coursework. I am not a fan of the pathways in that our district already has 4 (the academies). Sometimes kids stress too much having to choose a career (academy), let alone pin-pointing that even further by choosing a pathway. Although I understand that the Pathways are not a district choice, but mandated by the state. I understand they must be fluid, but in order to ensure student success, they must be stable to a degree to pave the way to college or certification. Catch 22.
- 39 The situation with what they call Flex and Fusion.





(Con't.) 9. What aspects of eSTEM do you like least? ("If other" comments.)

- 40 None.
- 41 I don't feel that my child is held accountable at all times for their work and they are allowed to continue if they have received an incomplete.
- 42 When a student raises their hand for help they should get help, not get ignored. There needs to be more instruction the students should not be expected to just know what to do. Not to get excuses or have to stay after school to get questions answered. They need in class help.
- 43 I do not like my child missing out on opportunities for after school assistance to improve in areas they feel they need to improve because he has to attend orchestra on another campus. I feel they should not have to choose between an opportunity to broaden their horizons with music education and the rest of their education. I just wish I understood a little more about the weighted versus non-weighted grades/classes.
- 44 None.
- 45 Nothing like it all.
- 46 My child didn't really fit into one specific one.
- 47 N/A.
- 48 Too much work for kids. The disrespect of the kids in class and the teacher non-control of the classrooms.
- 49 I think a conversation needs to happen with the kids on the double block and not shove the info down the kids' throats.
- 50 The amount of group work can be excessive and frustrating when other members of the group don't put forth much effort.
- 51 Capstones and internships seem like a less constructive use of time than could Theisen be used.
- 52 More AP options as not all kids want to attend schools in Ohio.
- 53 I know that there has to be a focus on science and math, but I'd prefer if there would be greater variety of course offerings, besides just AP [science] - maybe some courses that teach life skills. There also don't seem to be enough hands-on activities. For example, my son took biology last semester, and he said that there were hardly any activities. It was mostly memorizing terms and theory.
- 54 Amount of homework. Especially the summer reading requirements. I believe these are ridiculous.
- 55 I'm not so sure there is much that I don't like at this point.
- 56 My understanding is credits do not transfer to Ohio State.
- 57 There are really too many choices when it comes to picking an educational path for students at [school], with the different pathways, College Credit Plus, AP courses, and the career centers. It can seem a bit overwhelming trying to sort through the options, especially for parents/students new to the high schools.
- 58 Seems to be no emphasis on the "e" - Environment - still don't understand why there is a Fusion class except that it is homeroom or study hall - not sure if pathways are helpful or not.
- 59 I would like to see a single blocked option for students that are bright and interested in technology and the sciences but are not necessarily mature or focused enough to endure a double blocked schedule. While some very bright people may do perfectly well in a college atmosphere at 18 they may be less successful at 14 or 15.





(Con't.) 9. What aspects of eSTEM do you like least? ("If other" comments.)

- 60 I am unconvinced of the need for pathways and project lead the way given that this is taking time away from college credit plus. I would like to see more summer courses offered at Columbus State branch campus at Livingston.
- 61 All courses at one level only. Projects seemed to be limited to last week of school, every year!!!!
- 62 Band class at Livingston campus and lack of electives offered.
- 63 The constant testing. The short period of time for the students to learn material especially in the AP course works. Teachers are forced to get a lot of course material taught regardless if students really get an understanding of the material. It's mainly about the numbers not the student anymore. It's about how he school ranks.

10. If you could ask for one improvement in the next school year, what would it be?

	Responses	Percent
Total Responded to this question:	130	57.27%
Total who skipped this question:	97	42.73%
Total:	227	100%

Response Response Text

- 1 I would like to see on paper the options, all spelled out & the ramifications of each.
- 2 More options at the Freshman level.
- 3 Allowing the students a LITTLE time outside. With the school day being so draining I think 15-20 minutes outside would help refresh them.
- 4 Make time in the school day for more than one elective.
- 5 A way to fix fusion so that it is a better use of time, resources, and effort.
- 6 Actual teachers for upper level foreign language instead of on-line being the only option.
- 7 Have a real computer science class with a real coding language. We have been told they will use scratch later on but scratch is for elementary/middle school level. We have heard wonderful things about the Encore computer science class. It is a shame that a STEM programs class doesn't even come close to being similar to the Encore version. And why would a introductory computer science classes in 2 academies be different?
- 8 Improvement of dress code policy. Either stick with it or not.
- 9 More electives...I think the kids need to have more engaging electives to foster their passions for what they want to do in the future.
- 10 Quality of teaching. By no means to discredit ALL STEM teachers, but it seems to be inconsistent.
- 11 The transition for my son has gone very well from private grade school to [school].





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 12 Better communication with actual Columbus State professors - horrible experience during this fall.
- 13 Being able to choose classes from the other academies as electives.
- 14 More development of Pathways especially for BELL (i.e. Business). Making sure parents are aware of the options as it concerns choosing/switching academies.
- 15 Change the schedule, ease the stress, stop beating the pleasure out of education, it wouldn't change the 6 courses they take all year Freshman and Sophomore year and Junior year. It would make connections for the students. Then maybe during lunch students can see teachers for assistance and clarification. And there might even be time enough during the school day for real tutoring and study halls.
- 16 Option to sit down with a counselor / teacher to plan best course of action, when to take or drop a course, what our choices now will mean for his future later on.
- 17 I would ask for more interesting and varied ELECTIVE courses like a drawing or art class specific to those who are interested in engineering or architecture (Art History would be amazing for those who want to build buildings!).
- 18 That you pay closer attention to the teachers you hire. One teacher in my daughter's class told those that didn't want to work to "fail quietly". I find that unacceptable. There are children out there that don't want to work or study, and frankly make it difficult for those that do (like my daughter), but there has got to be something better for them than someone telling them to fail quietly. Put them in a less difficult class. Give them counseling. Something. But them being disruptive in class and making it harder for others to learn are just given a pass when the teacher tells them exactly how hard she's willing to work with them. Fail quietly.
- 19 Everything moves so fast. I'm old fashioned, so I'm not on Facebook or Twitter. I prefer to get my info via email or phone call.
- 20 Less online classroom.
- 21 Less teacher turn over rate.
- 22 To make the pathways and courses offered to better connect with each other.
- 23 Better communication with parents - while I do understand the principle of making the kids more responsible and better prepared for "real life," they are still high school students and forget things!
- 24 I think that more AP classes need to be offered. Students shouldn't have to ask for them, they should be offered in abundance and readily available to anyone who wants them.
- 25 More communication sent home for parents this has improved but still needs some work.
- 26 Better communication with students that are not attending classes at the [district campus].
- 27 Offer a math class alternative to algebra and geometry...something more practical.
- 28 Work to increase the enrollment of female students. Offer more after school activities other than sports. Increase the diversity among the teaching staff More hands on activities.
- 29 Time for student to take more than one elective. If you do orchestra, you don't have time for a language.
- 30 Offer a way that more introverted students can learn. "Group Think" is geared to extroverts; many brilliant minds (about 1/3) don't even get the chance to be heard! After all, most of the brilliant minds in all of history were introverts.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 31 More AP courses.
- 32 Electives that are not so STEM oriented.
- 33 Require more out of the teachers. After school help is lacking.
- 34 Get rid of block scheduling. My son took Spanish 1 in the first semester this year and now won't take Spanish 2 until first semester next year. There is too much time in between the two.
- 35 More cross-academy opportunities – [school] students should be able to easily take and art class, for example.
- 36 Better, more timely communication, please.
- 37 I would like to see less memorization of materials in certain subjects and more application of skills.
- 38 Higher-level math courses offered.
- 39 Stated in #9.
- 40 Teach IT skills in the IT pathway. Basic project management concepts, server administration, network administration or at least installing programs that require configuration would improve the IT pathway.
- 41 Teachers that care about the students. Teachers who are not just there for the paycheck. If a child is struggling the teacher needs to offer assistance. Not wait until the parent request assistance.
- 42 The school should be more focused on metrics of accomplishment, like ACT and SAT scores, not metrics of participation, as in number of college credits students received.
- 43 Robotics competition team.
- 44 Fix the schedule to accommodate year long, single block classes throughout the school day. I am not saying to get rid of the double blocking but there are ways to develop a double block schedule that allows for a single period class to be taught throughout the day. Determine electives in the spring and stick to those electives. Allow students to select electives based on their interests and increase electives opportunities by working with [district academy] to allow students to explore other options.
- 45 Recruit, recruit, recruit. You need more experienced teachers who can offer more courses. You also desperately need more mentors, counselors, or community liaison people who can help arrange meaningful internships or early college experiences, and then shepherd students through them. Right now, too much is left up to parents to negotiate a path that is as unfamiliar to us as it is to our children.
- 46 Stop changing the teachers around like Madonna goes through underwear.
- 47 Better communication from algebra teachers ... Getting great communication from [teacher] and that's the class my son is getting an A in.
- 48 Swimming Pool.
- 49 Be able to take classes from [district academy] that won't be available in [school].
- 50 THAT SCHOOL WOULDN'T START QUITE SO EARLY.
- 51 Get rid of the \$80,000 per year School Board PR position, (which is a complete waste of our tax dollars (use the band for PR), and add another person to work with the Fab Lab Program throughout the district.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 52 More higher education professors and classes.
- 53 REMOVE THE STUPID BLOCK SYSTEM. Also, it would be REALLY nice to actually fail kids sometimes. You can't just repeat until you are too old or the idiotic retake until you get an A. Plus COUNT SCHOOLWORK not just test. Some kids do have TEST PHOBIA you know. Plus, it sends a bad message about the value of work ethic.
- 54 Math books.
- 55 More direct communication between teachers and parents.
- 56 That the students are offered more elective type classes (like art, photography, music theory).
- 57 More one on one time for students who need the extra help with course work and are maybe to shy or embarrassed to ask for help.
- 58 More groups for social development.
- 59 It would be great if [school] could include an art class. She is a gifted artist with no opportunity at the high school to expand her talents.
- 60 Gears towards a child major in college.
- 61 Available time to sit one on one with a counselor/teacher at orientation to go over schedules, discuss what is best for my child for that year and the following years. Teachers for freshman orientation were new and didn't have answers. The experienced teachers and principal were swamped by others.
- 62 Improve the IT pathway. You cannot rely on Harrison to provide quality IT programs. It would be better for students to learn by perusing a certification than receive a questionable quality overview of computers.
- 63 A diversity of teachers. Some care about the students and not just a paycheck.
- 64 Add PE and Health blocked class or these individually during FLEX or Fusion time...
- 65 I would like to see the Chinese classes taught with the instructor in the class instead of video conferencing. I love [teacher] and the students would thrive under her physical presence in the classroom. She is a great teacher.
- 66 A choice between double blocking and regular blocking. A booklet provided to parents to help students chose next year course selections.
- 67 No suggestions. I am just glad this is my child's last year.
- 68 Yearlong courses. More integration of the arts in technology.
- 69 More parent teacher conferences face to face.
- 70 A clearer explanation of what each course earns credit-wise. He has had to take several courses that do not earn him high school credit and I'm not sure how much these classes have actually helped him. Seems like a lot of time invested for not much pay off.
- 71 Opportunity to take classes outside of pathway or academy.
- 72 Giving more computer science courses and dump the enhanced level of courses. Many times the enhanced level of courses hinder students and keep them from performing well.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 73 More project-based learning. Transportation for all programs offered.
- 74 Improve what is going on in Flex and allow kids real down time in Fusion.
- 75 Evaluation of teachers adhering to STEM based learning.
- 76 Power School needs to update on a daily basis, I am unable to monitor my child's progress if it is weeks between updates.
- 77 N/A.
- 78 More instruction, more help when a student needs it. More in class help. Less focus on dress code and more focus on the students well being.
- 79 To better educate the parents on the children's options, especially weight vs non-weighted. Also for somehow orchestra to be implemented into their day without my child having to sacrifice after school assistance or opportunities to improve in a class because they have to attend orchestra on another campus. I feel they should not have to choose when it comes to them broadening their horizons with the art of music and the rest of their education.
- 80 More choices in the schedule.
- 81 A change to a STEAM school as music has been proven to enhance math skills. More music opportunities offered so students don't have to travel back and forth.
- 82 They begin class later in the morning.
- 83 More projects.
- 84 More support/communication from classroom teachers. Email is a great tool to help parents stay connected and involved in their child's education.
- 85 More teacher parent communication.
- 86 More though provoking teachers like [teacher].
- 87 To have more diverse electives. Different options that help my child decide on a college major/career or trade. Instead of limited to just a pathway. Some electives such as home economics, shop or auto mechanics etc.
- 88 More communication with parents about the college process. First time parents are lost when it comes to what to do.
- 89 To allow students to cross academies for specialized instruction if space is available. Example, computer graphics or yoga.
- 90 Tutoring services.
- 91 We don't like the mastery grading concept and common core.
- 92 Have the incoming freshman meet and greet so to speak with the teachers they will have. I think it was a big change going to high school from Jr. High. Plus they could have talked a little about what a double block class may look like. We are a very large district and it would help make it feel more "community-like". These teachers are the ones we remember the most because we have had them at the end of our school career. A more personal touch would really help those transitioning.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 93 Quality of instruction - the student/teacher interaction sometimes fall short.
- 94 Getting rid of the dress code.
- 95 Slow down the double blocking of classes.
- 96 Will there be double block, this is interaction school get the kids opinions.
- 97 Remove the double blocking.
- 98 Dress code revamp.
- 99 More assignments and projects.
- 100 Less group work or more individual accountability within the group.
- 101 More flipped classes.
- 102 Longer school day so kids that do music can also have another elective.
- 103 More one on one support.
- 104 To give more detail info when our kids have to choose a pathway and more flexibility to change when needed.
- 105 Just one? Ok, stop teaching to a test that does not educate or even measure the education of any child. STOP hurting our children with your politics and baloney.
- 106 That the children should have a computer class in elementary.
- 107 That there would be some courses that teaches life skills.
- 108 Allowing opportunities for students to major in an area of interest but also supplement this with other areas of choice, encore classes for example.
- 109 My son is a 9th grader. I wish he had been able to take two math courses and at least one "real" science course this year. I understand and embrace the value of double blocking but don't think he was served well with a 7-month gap in math instruction. I also understand that the elective science courses are thought to help students prepare for the rigor of chemistry, but were less certain about putting chemistry off for an entire year. I hope that the elective science courses really do improve students' ability to succeed.
- 110 Availability for balance of help during class time while moving forward. (I know it doesn't make sense). Work moves fast, which doesn't allow a lot of question time.
- 111 Eliminate the summer reading requirements completely.
- 112 More teachers and more course offerings. Lower student to teacher ratios.
- 113 More variety in course offerings besides just AP science courses.
- 114 The focus be more geared toward class instruction.
- 115 More presentation skills, i.e. Record and critique. Several would be a great idea in a corporate setting, also interviewing techniques.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 116 I would ask for improvement on electives offered.
- 117 Smaller class sizes to have more individual learning and support.
- 118 I would like to see the band/music elective offered as a part of the school day. Shuttling over to the [district campus] for band each day makes for a very long day. The additional class period also makes it difficult to take advantage of after school assistance from teachers.
- 119 The big problem is that i feel the academies are too focused on Stem aspect that life skills are not being taught.
- 120 Offer more and better courses for the students, with less focus on the useless pathways.
- 121 There needs to be some kind of guidance regarding a graduation planner. Students cannot effectively plan because they aren't being told what courses they need for graduation.
- 122 For the teachers to notice more on the student that fall behind in their classwork to help then understand their work and make them to get the help they need. To be stricter on the students that don't do their homework.
- 123 Students on IEP are not getting enough help.
- 124 More real class offerings during flex.
- 125 I think there should be a traditional scheduling option. Stop cramming college courses at students. Let them learn to enjoy school.
- 126 Personalized update. For example, if my child is not performing, a personal note from teacher about the issue and how it can be corrected before final grading. These grades affect our child's futures!!!! Also, when a call is placed to the school, don't be put on hold or get a machine. There are enough office associates working in there to answer the phone. And they don't need to be so BITCHY!!!
- 127 Expand the timing in regards to the course material being presented to students.
- 128 To obtain more parent involvement, i.e. displaying projects and their benefits.
- 129 For the teachers to offer more guidance when help is asked for and needed. Some things are better understood with the help of a person rather than looking it up on the internet. Understanding the difference of asking for help and asking for answers. I realize the importance of where to look and how to look for information. I also think that knowing when and how to ask for help is also equally as important.
- 130 Don't have children start school so early. It is still dark when my child leaves out for school. Not only that he gets swamped with homework and sometimes he's up until midnight doing his studies, which he doesn't get the require amount of sleep for a child his age to be able to function and use his mind to full capacity for the following day.





11. How can you contribute to supporting or enhancing the school's goals for the coming school year?

	Responses	Percent
Parent-Teacher conferences:	111	74%
Parent Open House:	62	41.33%
Mentoring:	26	17.33%
Working with student interns:	20	13.33%
Attending Parent Advisory Board meetings:	75	50%
If other, please describe:	13	8%
Total Responded to this question:	150	66.08%
Total who skipped this question:	77	33.92%
Total:	227	100%

11. How can you contribute to supporting or enhancing the school's goals for the coming school year? ("If other" comments.)

Response Comments

- 1 Guest speaking in classes.
- 2 Everyone should work together to get the best result possible. Our kids' future counts on US!
- 3 Running for school board and demanding more out of the teachers and administration.
- 4 We have attended all of the above this year and plan to continue participating in future to help partner with [school] and our student.
- 5 What do you need?
- 6 I work with the robotics team.
- 7 Guest lecturing to the design students.
- 8 My daughter will be attending [neighboring school district] next year, while remaining an [school] student at [district]. Her love of Science has lead her to the Bioscience Technologies program in [neighboring school district]. [School] fostered that love.
- 9 Being supportive of my student!
- 10 It is hard to schedule a conference when I work different shift everyday.
- 11 As stated above, maintaining communication and interaction through electronic media.
- 12 Tried all of the above except for one, and was treated horribly.





(Con't.) 11. How can you contribute to supporting or enhancing the school's goals for the coming school year? ("If other" comments.)

- 13 **Monetary support. Voting out the current school administration. Making them focus on education instead of dress code.**

12. I feel strongly about my child having the following at eSTEM (please check all that apply):

	Responses	Percent
Music:	75	41.21%
Robotics:	76	41.76%
Chinese/Foreign Language:	75	41.21%
Physical Education:	57	31.32%
Outdoor experiences:	79	43.41%
Theater:	31	17.03%
Internships/Capstone:	106	58.24%
Early College courses:	141	77.47%
If other, please describe:	25	13%
Total Responded to this question:	182	80.18%
Total who skipped this question:	45	19.82%
Total:	227	100%

12. I feel strongly about my child having the following at eSTEM ("If other" comments.):

Response	Comments
1	Computer Science/programming classes--other than those through Harrison. Harrison is not academically challenging for my gifted student.
2	When it comes to advancing in foreign languages, I feel that advanced level classes should be taught by an instructor (i.e. - French 2, 3 &/or 4 should be taught by a teacher).
3	Options.
4	Those early college classes are total BS unless you are going to an OH University AND EVEN THEN not all OH schools except them for credit (even if you get an A!). AP Courses at many places like Carnegie Mellon and Case Western look great on your record but don't count for any credit (even with a 4 and an A).





(Con't.) 12. I feel strongly about my child having the following at eSTEM ("If other" comments.)

- 5 I find it hard to believe with the high rate of obesity that physical education is not offered in a school setting.
- 6 AP course availability.
- 7 I prefer Spanish.
- 8 As mentioned elective classes to explore other interest, for example psychology.
- 9 Foreign languages other than Chinese.
- 10 None of the above.
- 11 Access to art classes.
- 12 Other electives, as his schedule/interest permits (even if it means a crossover to another academy. Ex: Music Theory or Art as an elective, etc.)
- 13 ART, ART, ART There are also extracurricular activities that would be wonderful opportunities for students: Future Cities, Model UN, Destination Imagination are three that I know of. I strongly dislike the on-line language learning option. Unless technology is used to bring a real teacher into the classroom, its use in language learning should be limited.
- 14 The arts, music and theater, are very beneficial to student performance later in life. Being a musician is one of the best tell-tail signs of a person who will be well suited to problem solving, analytics, programming, design, and self-disciplined. Theater and music performance could be used help students think and act selflessly due to the vulnerability of presenting oneself publicly in a creative expression and to present themselves with confidence publicly, and at the same time realizing the humility that the gift of oneself to another, in our imperfection, is the greatest gift that can be given.
- 15 More challenging classes. AP classes. ART - there is a reason why STEAM is more important than STEM. MORE ACCESS TO MORE SCIENCES. Do NOT like the break between academies for science classes.
- 16 Art.
- 17 I checked everything because I want them to have choice. Having one high school on two campuses makes this very challenging, I know, but I hate to limit a high school experience (where exposure is an absolute MUST at this age) in exchange for a savings in college dollars, or an early entrance into a career. I struggle with this often -- students should be allowed to be STUDENTS. They will only be teenagers once -- but will have a long life in a career. Hopefully it is something they enjoy -- but the choice should be there to engage in normal high school activities and extra-curriculars and experiences (and what might lead to later life-long career choices), and/or the choice to thrust them ahead in a career choice if they have the majority for such a path.
- 18 AP course work.
- 19 Developing critical thinking skills outside of math and science. Philosophy was a fantastic course for my freshman to take. It opened a whole new world of thought to him.
- 20 Art.
- 21 I think physical education should be a class not on line.
- 22 For my child in particular I would rank these in order of greatest importance as follows: early college courses, music, outdoor experiences, and foreign language.
- 23 A later start time or some kind of accommodation for sleep needs of the student athlete.





(Con't.) 12. I feel strongly about my child having the following at eSTEM ("If other" comments.)

24 Outdoors stimulates the mind and body. Early college course offerings help prepare the student for the future and better the district's overall ratings of success. Music or other activity should be offered, and pay to play is not an issue.

25 IEP services.

13. Where at eSTEM have you seen your students engage in high-quality STEM work? (Please check all that apply.)

	Responses	Percent
Science:	99	56.25%
Math:	82	46.59%
Language Arts:	41	23.3%
Social Studies:	64	36.36%
Electives:	37	21.02%
Design Challenges:	60	34.09%
Learning to apply "Habits of Mind":	14	7.95%
Internships/Capstones:	23	13.07%
Early College courses:	61	34.66%
If other, please describe:	22	12%
Total Responded to this question:	176	77.53%
Total who skipped this question:	51	22.47%
Total:	227	100%

13. Where at eSTEM have you seen your students engage in high-quality STEM work? ("If other" comments.)

Response Comments

- 1 Robotics.
- 2 Robotics, which is outside the school day. Design Class--flex.
- 3 Having only been a part of this program for two quarters, I do not have any experience with this.
- 4 What's the definition of high quality STEM work? All I see is high quality stress and cramming information.
- 5 My son is a junior, he hasn't been involved with the internship /capstone.





(Con't.) 13. Where at eSTEM have you seen your students engage in high-quality STEM work? ("If other" comments.)

- 6 Nothing this year. The program she enjoyed most wasn't offered.
- 7 FIRST Robotics Team 4085 & Fab Lab.
- 8 [Teacher] has challenged my student in Language Arts and has drawn out his strengths/abilities. My student has been challenged to excel in Math as well.
- 9 In three years, there are only two classes - Introduction to Engineering and Principles of Engineering - that seem to have offered the kind of learning that I thought my child would have in most of his classes. While I know it's hard to introduce design principles in all subject areas, I still wonder if there aren't ways for the staff to work on at least one cross school or cross-departmental project a year that could extend STEM-type learning? For example, I wonder what ever happened to that little "e" that prefaces the name of the school? Environmental projects in that big back yard of yours? There is SO much scope for STEM projects back there!
- 10 The Fab Lab.
- 11 Flex.
- 12 Robotics.
- 13 Exploring Computer Science.
- 14 Foreign Language.
- 15 Robotics program.
- 16 Even though he struggled in some areas he strides to work hard and not give up.
- 17 Robotics.
- 18 Not one single class has done one thing stem related that I have seen.
- 19 I feel as if it is a little too early to tell in my case since my daughter is a 9th grader.
- 20 None. Most work seems to be done at school, which doesn't allow parents to see what work is being done. Also, the focus on group projects isn't the bet for all students.
- 21 I am not sure exactly what "high-quality STEM" work entails. My child has completed several very interesting and fun history projects.
- 22 I haven't really seen it





14. What is the best example of STEM work your student has engaged in at eSTEM?

Responses Percent

Total Responded to this question:	105	46.26%
Total who skipped this question:	122	53.74%
Total:	227	100%

14. What is the best example of STEM work your student has engaged in at eSTEM? (Open-ended)

Response Response Text

- 1 He's a lead on the robotics team.
- 2 World History projects.
- 3 The work he has been doing in intro to engineering design.
- 4 I have no example of STEM work my child has engaged in. He has excelled at and has been passionate about music, a college class titled American History after 1877 (and that was only because of the teacher), and American Government.
- 5 Robotics.
- 6 Robotics.
- 7 Video production.
- 8 Engineering and computer science courses.
- 9 Robotics.
- 10 Flex class experiments - melon drop & egg drop
- 11 N/A.
- 12 ? Like I said, only see stress, not work that exemplifies STEM.
- 13 American History class had him most engaged and building a renaissance inspired torture device was his favorite.
- 14 I am anxiously looking forward to seeing what the Capstone course is and what examples come from that. I was disappointed with the in school 'internship' in the Fab Lab.
- 15 The robotics and band programs are outstanding. They encourage each other and make the kids want to work harder.
- 16 Not impressed yet.
- 17 My daughter is part of the Robotics team. They are so involved and work so well together.
- 18 The best high quality of education with critical thinking.





(Con't.) 14. What is the best example of STEM work your student has engaged in at eSTEM? (Open-ended)

- 19 I really don't have anything specific to say about this at this time.
- 20 Robotics. The coaches are amazing and the kids learn so much!
- 21 I would say his early college credit he has achieved. I think that those courses are a direct reflection of him being identified as gifted.
- 22 Early college courses.
- 23 Lots of great experiences.
- 24 Design Challenges – created a cup.
- 25 Comp 1 with [teacher]. Any class with [teacher].
- 26 The abysmal experience she had in Biology. The teacher was terrible.
- 27 FIRST Robotics Team 4085 & Fab Lab.
- 28 First semester: Design A Car Design Challenge, Research & present an alternate consumer resource
Second semester: Produce and present a career poster and compose and present a resume (Skills noted: Research, Critical Thinking, Communicating Orally & in Writing, and Collaboration in a Group).
- 29 Students in [teacher]'s World History class created a government rap, which incorporated language arts, student talent, and demonstrated their understanding of types of government in the world.
- 30 Capstone project through Mt Carmel.
- 31 My student is involved in the fab lab. The opportunity to learn and to pass along that knowledge of technology to others was a great experience.
- 32 Presentation for her capstone course.
- 33 Design challenges.
- 34 Graphics design.
- 35 Building robots in computer science class.
- 36 The design challenges in his two engineering courses.
- 37 I have not seen much, yet. He was not happy with his intro to engineering class. He is now in a CAD class where I think he is doing well. He tells me about his projects in there, but I have not seen them.
- 38 My older son is attending Columbus State full time. This would not have been possible outside of the STEM system.
- 39 Capstone.
- 40 Board game challenge English 9.
- 41 Improvement in math and science.
- 42 ENGLISH PAPER SHE WROTE AS A FRESHMAN.





(Con't.) 14. What is the best example of STEM work your student has engaged in at eSTEM? (Open-ended)

- 43 The projects that they are doing for the school district through the Fab Lab. They are given a design problem to solve for a faculty member, they must design it, vet it, prototype it, learn from aspects that do not work or function as desired, develop patience in problem solving, and resilience in solution finding. Finally experiencing the joys of a job well done and a need of another fulfilled.
- 44 Flex period challenges to design things like the cantaloupe or egg drop.
- 45 Robotics program.
- 46 None. More focused on Mosaic.
- 47 Building bridges in his sophomore year.
- 48 One of the best examples of STEM work my child has been engaging in at [school] is the Harrison College course & ACT early testing. I think this is a great way to get children prepared for college.
- 49 ROBOTICS.
- 50 Projects.
- 51 IED class, Robotics, design challenges during fusion.
- 52 He was most engaged in World History and band classes. That's what I look for most- my kid being tuned in and excited by a class.
- 53 The opportunity to learn the machines in the fab lab.
- 54 The CAD class uses a lot of design and technology that comes to life!
- 55 Advanced mathematics and science courses.
- 56 Learning about the scientific method in history class and how the past has shaped our understanding of the world around us.
- 57 Electives.
- 58 Robotics.
- 59 Design challenge at COSI.
- 60 Chinese and hands on.
- 61 When they had to design and create the wind tunnels - that was a great experience.
- 62 Creating block puzzle in Intro to Engineering.
- 63 The exploring computer science class he took. However, he was already too advanced for it as he already taught himself the components of the class before taking it.
- 64 Design.
- 65 My son made a bridge in a design engineering class that had to sustain a certain weight. That was the most creative project he did.
- 66 In AP science classes and during internship and capstone.
- 67 Projects in the science classroom.





(Con't.) 14. What is the best example of STEM work your student has engaged in at eSTEM? (Open-ended)

- 68 N/A.
- 69 Foreign language they seem to be excelling in it very well and history. They seem to enjoy the interactive learning in history that takes place from time to time.
- 70 He is a member of the FRC robotics team.
- 71 Design Challenge.
- 72 Building.
- 73 Nightly completely student initiated discussions of current events, politics and social values.
- 74 Class video project.
- 75 High level thought provoking classroom discussion. Challenging the mind. Forcing to think differently.
- 76 I have none.
- 77 The political process and what she learned in class with [teacher].
- 78 French Revolution project for World History where students deigned something representing the French Revolution. Puzzle cube project for Intro to Engineering and Design.
- 79 The Puzzle cube Project in Intro to Engineering and Design.
- 80 His internship at Capital.
- 81 Leo club.
- 82 In engineering.
- 83 Challenging work on constitution with [teacher], and writing with [teacher].
- 84 Hands on wiring a robot.
- 85 Wish I could give you one.
- 86 N/A.
- 87 I can't think of anything.
- 88 Hands on instructional work, very engaging.
- 89 Math.
- 90 Learning and history with a conservative vs. a liberal.
- 91 Design engineering and physics.
- 92 I can't think of anything.
- 93 His group projects are always so fascinating. The latest one was when they designed compartments of a motor.
- 94 Capstone / internship and block courses.







(Con't.) 14. What is the best example of STEM work your student has engaged in at eSTEM? (Open-ended)

- 95 Motor components.
- 96 Planning and designing an underwater robot with the goal of completing an obstacle course.
- 97 I do not know how STEM work differs from everyday assignments. Perhaps I need more education about the "STEM" mission.
- 98 I guess the useless, time-consuming, stress-inducing fusion projects. And [teacher]'s intro to engineering class.
- 99 Environmental science lab with smart codes a various points along the trail. Also [teacher]'s class where they worked on electronic game design.
- 100 Not seen much yet.
- 101 College preparatory courses.
- 102 Writing. English.
- 103 Art.
- 104 She has learned more about technology and how to look for information. She enjoys the classes and the majority of teachers. She is very hands on and likes doing project.
- 105 My child speaks, writes and reads another language fluently.

15. Would you recommend eSTEM to other families?

	Responses	Percent
Yes: 	167	90.76%
No: 	17	9.24%
Total Responded to this question:	184	81.06%
Total who skipped this question:	43	18.94%
Total:	227	100%





16. Is there any feedback you would like to share with the school administrators about your child's experience at eSTEM?

Responses Percent

Total Responded to this question:	92	40.53%
Total who skipped this question:	135	59.47%
Total:	227	100%

16. Is there any feedback you would like to share with the school administrators about your child's experience at eSTEM? (Open-ended)

Response Response Text

- 1 [Principal] is a wonderful principal. We appreciate all of the extra effort he puts into the school. [Teacher] World History is an AMAZING class; I have never heard a bad word about her or her class!! I want to take her class! :)
- 2 I just feel my child is not experiencing a true STEM program. He is being "pushed" to take college classes, which are through CSCC and not participating in true STEM classes.
- 3 As a freshman, my student is not being challenged. This may happen in later years as he takes higher level science and college classes but he is very bored this year and tells me this every day. He is a great student and I have never had to deal with his complaining every day until this year. I don't blame it on STEM but on lack of school funding. Nevertheless, I find it frustrating and an injustice for all smart, motivated and/or gifted students.
- 4 [Principal] and his team are doing an excellent job within the learning environment that is allowing our child to be successful.
- 5 [School] has been all that we hoped for our son. The teaching staff has far exceeded our hopes, and the staff in general has been excellent. [Principal] deserves note here, as his level of engagement with the students, his communication with parents, and his obvious caring for the students and the program make him an exceptional leader in the program.
- 6 My son transitioned to [school] after completing grade school at [local parochial school]. I feel that [school] should make sure that residents with students attending schools outside the district are aware of what is offered at [school]. Encourage school visits, talk to students/families. When sending out information to 8th graders, include those that are in private schools; after all, these are all taxpayers in the City of Reynoldsburg. There are students that would have been a better fit for [school] that went elsewhere and I believe it was because they (residents) did not have all the information. I understand that the school cannot recruit students, but it can better share with the community.
- 7 Help with better communication with actual Columbus State professors - math teacher 1st semester was horrible - gave no feed back, never posted grades until final - wouldn't answer student questions & threatened to throw student out of class when inquired for grade info.
- 8 The support staff has been great. [Principal] and all of the others have bent over backwards to accommodate my student. Most of the teachers have encouraged and challenges her thinking.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at eSTEM?
(Open-ended)

- 9 Too stressful, and unfortunately your only response is, "Go to another Academy if it's too tough for you!" Shouldn't you realize that after hearing that statement for the past several years that it is time to keep the high quality teachers and philosophy, but change the double blocking outrageous semester courses you have now!?
- 10 [Principal]'s emails are excellent and provide a nice wrap-up of things but I would like to know what the orchestra is doing (even though neither of my kids are in Orchestra), when is the next wrestling match, what society is looking for new members, etc. I love [teacher]; she is always so sweet even though she has a demanding job! I would LOVE a more interactive and hands on approach from the guidance counselors ... maybe they do not do actual college guidance anymore and are used specifically for ETRS and testing? At the other schools that [district high schools]-[school] is compared to, they have GC who do nothing but college prep stuff (how to take tests, how to study for ACT/SAT, how to write those all important essays (and they review, review, review them), where to apply, etc. Those GCs have connections at major STEM universities and can aid in the HUGE and OVERWHELMING college acceptance process. It's all they do! That's to say nothing of FAFSA and the myriad scholarships that are available (but only if you know where to look and when to apply). [District] IS NOT like [local school district] or [local academy] - we have parents that aren't going to sit at a computer for a weekend and help their child fill out Aid and Grant forms. We don't have a slew of parents who graduated from MIT or Stanford and have connections in their Admissions office. We don't have parents who are going to go hire ACT tutors and essay readers! ... BUT WE HAVE KIDS WHO COULD GO TO THOSE UPPER COLLEGES. That's the best part of [district]! We have as many free/reduced lunch kids as [neighboring public city school district] yet we rank with [local school district] on graduation and college bound and all that. So we need a GC who can help those kids who are going to Youngstown State realize the TOTALLY POSSIBLE DREAM of a brighter school! All things equal, are you hiring an engineer from Akron or one from Northwestern?
- 11 Keep a close eye on your teachers. Some are great, and some have given up. Put something in place for the kids that need help - there are those doing drugs, acting out in class, and not participating but there doesn't seem to be any recourse.
- 12 Teachers have been very supportive and engaging with my child. They genuinely want him to succeed
- 13 Too much online classroom work. Teachers are hired to teach, not to refer the students to do online work to teach themselves.
- 14 Students need to hear positive statements from their teachers not words of discouragement and failure within the first few days of the course. This sets the tone for the duration of the course thus making it difficult for the student, parents, and teacher. The high turnover with teachers is affecting the students learning severely. If a student has struggled with a difficult course and has to retake it the new teacher wants to know who the student had previously and once they know then the comment to the student is "that figures" in other words no wonder the student is retaking the course. These negative comments and tones should never be shared with students from any teacher.
- 15 [School] is the best and I would like it to be continued for the future.
- 16 My child has had a great experience here at [school]. But it is not for everyone. I have seen some of my son's friends attend [school] because he did, but they are not doing so well.
- 17 Overall, we are very happy with the [school]. Most of the teachers are incredibly dedicated and care about the students. I wish that communications with parents were a little better, especially for things like conferences and meetings, but overall we are very satisfied with the school and I appreciate all the hard work that goes in to creating the best educational experience possible for our children.
- 18 I think you should just keep doing what you're doing. [Principal] is never allowed to leave. Just my opinion, but I think he is the driving force behind a lot of the success. I would only mention - please- more AP course offerings need to be made available.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at eSTEM?
(Open-ended)

- 19 Great job [school] team.
- 20 My child has enjoyed attending [school]. He has had to ability to earn college credit.
- 21 I am VERY happy with the staff. I feel they really do care about my student. And they communicate with our family really well!!
- 22 Overall the school is great! We decided to buy a home in Reynoldsburg because we liked the idea of the stem and early college programs. My only hope is that next year the school works to engage the students more with field trips and hands on experiences.
- 23 My student is and was not interested in science, technology, math, or science. She/we selected the STEM program because of the rigorous course work to prepare her for college. As a result she doesn't feel like she belongs because of other interest.
- 24 The bullying needs to stop...
- 25 Longer school days so students can do both music and foreign language.
- 26 The agreement with the bargaining unit needs to make teacher performance a priority. I'll be sure to move out of the district when this child completes high school.
- 27 Aside from a few frustrating safety/communication issues - we really love our student's experience so far (this is our second student going through [school]) - the quality of the administrators and teachers are fantastic.
- 28 So far our student has had a positive experience and is excelling. Please consider amping up timely school communication to students and parents. This is vital for the success of our students and for the success of the program.
- 29 I appreciate the constant communication from [principal] regarding meetings, events, etc.
- 30 Calc. 2 not being offered at a STEM school is disappointing and ironic.
- 31 My child absolutely hates the [school]. Strongly dislikes the double blocking. Teachers with poor attitudes, cursing at students etc. Lack of real instruction from classroom teachers. Bored. In English they were required to do propaganda posters three years in a row. My child blew up and said he/she wanted to learn something and to stop doing the same repetitive things over and over.
- 32 Glad my child had the opportunities to get involved in program offerings. [Principal] and [teacher] were patient and made time to listen to concerns my child and/or I would have. A great experience.
- 33 Your staff provides a superior STEM learning experience for students. An opportunity to further improve your program would be in each class, to tell the students what is expected of them. The expectation should be communicated on behavior, assignments (detailed syllabus, assignments, retake opportunities, etc. - just like the college classes students take), and learning.
- 34 None.
- 35 Science instruction is not as strong as one would expect from an [school] program. You have teachers who are retired on their feet.
- 36 I am concerned with the partnership with Harrison College. At least with Columbus State I know there is the opportunity to transfer some college credits. To me there is no need to push for college credits if we are limiting our students to the colleges that will accept the transfer credit. I would much rather [district] pay quality teachers and offer our high school students a quality high school education.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at eSTEM?
(Open-ended)

- 37 I really appreciate that we continue to have continuity in our principal. My son has liked his experience at [school]. He has great friends and we never worry about his safety. Other comments have been embedded above.
- 38 [Principal] is doing a fantastic job!
- 39 Best part is double blocking so they can get college credits in.
- 40 I think it gives [district] something we as a community can really take pride in.
- 41 I would say I get a good feeling about the staffs genuine care for the students and their development.
- 42 **EXTREMELY POSITIVE. TEACHERS HAVE GONE OUT OF THEIR WAY TO HELP AND SPEND EXTRA TIME BEYOND CLASS TO TEACH CONCEPTS THAT SHE IS MISSING. SO APPRECIATIVE OF THAT.**
- 43 [Teacher] is also among the exemplary individuals associated with the [school] program. She truly loves being a part of the students' lives and interacting with them, and teaching them in her own way and opportunity, to be better people. I am delighted with the new school board members and look forward to some very positive results from their elections. I think that there is a very strong need to acknowledge the racial tensions and division that exist within [district], to facilitate a better understanding of respect in the community at large, and in particular, within the student body. When an academy has to be on lock-down at the end of the year due to behavior and disrespect issues, this is not good. [School] did not require this. Students should not want to avoid the restroom during the breaks of other academies because of what happens during that time in the restroom. When students physically segregate themselves in-group situations, this is not good. We need to be a unified city. We all need to remember that the difference between the "hood" and a "NEIGHBORhood" lies in the difference between those two words. One is about me and survival, and one is about others and community and respect. Those who only know the hood cannot understand that paradigm unless they are helped to know what they do not know. The school environment is an excellent place for this to occur. Then we might become "The City of Respect".
- 44 **GIFTED KIDS need more challenging work. Seriously, at 9th grade they understand the proper use of a semi-colon. Not sure the summer reading books would work for use on an AP English writing assignment. Usually people are expected to write about classics for those. GET RID OF THE BLOCK SYSTEM - makes it difficult to take classes at other academies. You can't do STEM if you are only teaching for a test. Get rid of the retake policy - makes your grades pointless. Home and school work should COUNT MORE - gives kids a better work ethic, current policy of only 10% makes it too unimportant. College will not allow you to retake - perhaps that's why the crappy schools kids get admitted to from [school]. I expect my kid to get into college, not to get a job somewhere - coursework must be better rounded in order for that to happen. More AP classes - a small Podunk college's courses won't transfer anywhere worthwhile. ALL major college/universities take AP credit. LIMIT CLASS SIZES. Seriously. 90+ kids in a class with only 2 teachers is ridiculous. CLEAN the cafeteria once in awhile - getting tired of hearing how filthy it is with caked on crap that hasn't been shifted for a month. DO NOT blame the janitor! We do NOT have enough custodial staff for the size of the building. Share info with junior highs. You seem to schedule and react to kids as if they came in from a black box with NO prior knowledge of skills/personalities. If you can't offer real internships to everyone, then just drop that. Pathways are ridiculous unless you ADD one for college prep. STOP telling parents how much money their kids will make -- do you KNOW how many tech jobs have been offshored and just how many unemployed programmers there are in the US right now? Robotics is great for about the 4 kids who do the programming. And worthless for kids in music classes at Livingston. Also, when do those kids get a chance to see teachers "after school"? Some thought needs to go into the fact that there are kids going across campus, telling them to do things "later" isn't an option. NOT EVERYONE HAS A COMPUTER so stop acting like all kids have access and get REAL textbooks and papers. Why is that always a crisis for a lot of your teachers? Giving a kid a computer to "take home" won't fix the fact that you have to have INTERNET in order to use it for more than just word processing.**
- 45 My daughter has had some wonderful teachers at [school]. She has enjoyed them. They have challenged and encouraged her and provided very quality instruction. We also appreciate [principal]'s leadership.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at eSTEM?
(Open-ended)

- 46 Accountability of missing work.
- 47 I feel my child has grown a lot in a lot of areas since attending [school] from starting as a freshman until now he is in the 11th grade coming from a Christian school I was really worried if he would fit in with the other children and he has been doing awesome with the help and encouragement from the teachers and students.
- 48 Great teachers and staff.
- 49 I'm very thankful my child attends [school]. She has so many opportunities at this school for growing, collaborating, and building a solid foundation of learning that a traditional high school wouldn't be able to offer.
- 50 You have a very talented teaching staff. However they need to step up. They refuse to publish syllabus for their classes. Which makes them seem like amateur once the students take College classes. The college teachers know what they are doing and show it by publishing and following their syllabus.
- 51 We appreciate the support of the administration and teachers. It is so much appreciated that conferences are held EVERY quarter.... My child is on a 504 Plan. The teachers are wonderful when it comes to developing a plan to help my child inside their classrooms. We really appreciate the teamwork!
- 52 We are proud to be a part of the [school] program and look forward to graduating from this program.
- 53 Thank you!
- 54 I hope the capstone/internship process and offerings has improved since the time our eldest went through.
- 55 We hope that you're able to bring more inspirational teachers like [teacher]. He has made such a positive impact on both my kids and one now aspires to have a career in government.
- 56 I strongly feel that courses such as biology, chemistry and trig should be optional yearlong classes. My child is interested in STEM, but struggles with the pace. The school psychologist has told me that [school] may not be the best school for my child. Instead of just ushering students out to another academy, how about trying to address the individual learning styles of ALL of your population. Kids who struggle may be capable of excelling if the pace was slower and more in-depth. The teachers at [school] have been wonderfully supportive. They go above and beyond the call of duty. I feel they have taken an interest in my child and see him for who he really is. They communicate and are willing to spend extra time with their students beyond the school day.
- 57 My child is a behavioral challenge and the school, especially the Vice Principal, has been very open, accessible and helpful and I really appreciate that.
- 58 I am very impressed at the level of communication that I receive from most teachers. Several send an email blast every couple weeks (or more frequently.) And when I contact those that do not send frequent communication, I have been treated as a partner in my student's education, I am not made to feel that as a freshman, my student must do all advocating by himself and that I am interfering.
- 59 You need to offer non-enhanced courses for those students who may have a difficult time with certain subjects.
- 60 Enjoys attending [district].
- 61 My son has had a VERY positive experience at [school] for all the reasons I listed previously. But as I said before, I would like to see more project-based learning incorporated into the courses.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at eSTEM?
(Open-ended)

- 62 My children are happy attending the [school] program and have a positive response.
- 63 N/A.
- 64 It is not everything they make it out to be. Teachers need to reach out and make learning easier and more interesting. Don't leave it up to the computers to teach.
- 65 My children enjoy it and I also think especially for freshman having the school sectioned off in academies allowed them to adjust to high school, which can overwhelm some children going into a large high school such as [district high school].
- 66 More support staff!!
- 67 Do not make it so difficult for kids to share resources with the other academy. Get rid of Fusion and allow kids to cross classes.
- 68 Not at this time.
- 69 Keep doing what you do.
- 70 Keep providing thought provoking, stimulating, current event related classes. They really help round out and develop critical thinking.
- 71 N/A.
- 72 STEM is not for everyone. The sad thing is a child has to get in [school] to determine if it's right for them. Which may cause changes later to a more traditional school. I feel [school] middle/High is less stress than High School. I have seen A/B students go to C/D students in [school].
- 73 Ask the kids their opinions please do not assume all is good. Let them Help the school be better.
- 74 Overall my child likes [school].
- 75 Taking college classes doesn't prepare one for the challenges of college. More high school classes that challenge leadership skills, problem-solving skills, and collaboration skills. I am dubious that the English and Spanish classes that my son took are more beneficial than the classes that teachers like [teacher] could put together like programming a real robot!
- 76 None.
- 77 My gifted child is doing mediocre thanks to this failed program. Thanks?
- 78 My son would have been better suited at another academy, but he wanted to go to [school] because it is the best academy. I'd like to see the other academies be given the resources to bring them up to the level of [school].
- 79 While my child is and always has been strong in the science realm, she has a desire to explore the art of music by way of music composition. I am trying to keep her on a steady path where she is a "natural" learner but also open the door for her to explore music a bit more. This would be without pulling her from the Energy pathway of course!
- 80 No.
- 81 My son would have been better suited at another academy, but he chose [school] because it is the best one. I'd like to see more resources being provided to other academies so that they are just as desirable to prospective students.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at eSTEM?
(Open-ended)

- 82 Focus less on the insignificant things like dress code and focus on the more important things like the education of the student and the memories that they are making. My student comes home everyday with something great to share about his day because he enjoyed it, it was fun, and he learned something. When you keep learning interesting, you keep the students interested.
- 83 Keep up the great work and be receptive to feedback both positive and negative...Teacher retention is important for the best teachers
- 84 Not at this time.
- 85 I checked yes that I'd refer others to [school] because I believe the program is good but needs work. The classes need to be smaller and there needs to be more parent teacher interaction. I don't receive any communication from my son's teachers unless I initiate the communication. If my child is struggling, I want the teacher to contact me immediately so we can work on a corrective action plan to help him succeed.
- 86 We were blindsided by the enormous change in expectations from the accelerated 8th grade curriculum to the [school] 9th grade curriculum. While some "growing pains" were expected as our child moved into high school, we did not expect our gifted, honor roll student to fail some classes and barely pass others. We would like to see either an 8th grade program that better prepares children for 9th grade expectations or perhaps a more traditional single blocked 9th grade option to ease the intelligent, science and technology oriented, but less mature or focused students into the [school] program.
- 87 I would only recommend STEM to other families since it gets the most money and is probably the best academy, which is surprising.
- 88 I wish the English texts in English 9&10 weren't so depressing and filled with so much death. I was happy the teacher let us select alternative texts. Also more quality instruction in all English classes on writing research papers which is needed for college instruction. My junior student still has difficulty citing sources.
- 89 I think the staff works very hard but the framework does not work for all students and there really aren't any options for those students. My child is not successful but he doesn't like the focus of any of the other academies
- 90 The community is failing, and the schools will too. Support a city administration and school leadership that care about the students and families, not themselves. Don't cater to the parents that want to blame the teachers for their children's shortcomings, particularly those parents that don't even pay school taxes, as they are transient residents of the district!!!!!!
- 91 It would be nice for the teachers to play more of a helping roll. Some things are not understood just by looking it up. It's ok to encourage them to work with their peers, but some kids need a little more to understand. I feel that offering only Diet or caffeine free drinks is very unhealthy. Aspartame is known to have very unhealthy side affects and has been related to weight gain and the increase likelihood of diabetes. Regular sugar and caffeine isn't what will hurt my child. The chemicals in the "diet", "sugar free" and other supposedly healthy foods and drinks will hurt kids more. Isn't school supposed to be teaching our youth? Instead of feeding them chemicals to cut down on weight why don't we focus on getting them up and moving to burn off the extra energy and calories?
- 92 N/A.





Knowledge Capture

17. Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?

	Responses	Percent
Strongly agree:	27	14.52%
Agree:	74	39.78%
Neutral:	44	23.66%
Disagree:	34	18.28%
Strongly disagree:	7	3.76%
Total Responded to this question:	186	81.94%
Total who skipped this question:	41	18.06%
Total:	227	100%

18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?

	Responses	Percent
Daily:	5	2.81%
Weekly:	91	51.12%
Bi-weekly:	36	20.22%
Monthly:	20	11.24%
If other, please describe:	26	14.61%
Total Responded to this question:	178	78.41%
Total who skipped this question:	49	21.59%
Total:	227	100%





18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you? ("If other" comments)

Response	Comments
----------	----------

- | | |
|----|--|
| 1 | Honestly, not sure. |
| 2 | A weekly email listing any complements or concerns would be great. |
| 3 | Bi-weekly or Monthly with the exception of some urgent happen that needs to communicate on top. |
| 4 | Because our son is doing well we as his parents do not go to parent teacher conferences. If we do have an issue I'm sure if we would email his teachers they would respond back to us. I think in the future it would be nice for them to reach out to us as well. |
| 5 | My child is not currently attending classes at [school]. |
| 6 | Timely responses to email inquiries would be sufficient. |
| 7 | When necessary. |
| 8 | As needed. |
| 9 | I would prefer my child's teachers to be putting their limited time and energy into preparing interesting and challenging learning experiences for my child, rather than into more communication with parents. They have enough to do. I trust that teachers would respond if we had questions or concerns, and I trust that learning management systems have checks in place that let us know if there are things to be concerned about. One thing that would help is the consistent use of a learning management system by teachers. |
| 10 | Not necessary. |
| 11 | Weekly or bi-weekly would be fine, but also when the situation warrants it so a student does not fall too far off the path to recover. |
| 12 | Weekly or when/if needed. |
| 13 | I get PowerSchool grades emailed to me weekly. However, to get a more in-depth feedback, I'd love to get a weekly syllabus to know what my child should be working on. |
| 14 | Some teachers provide great communications and others none. |
| 15 | A central web page would be great. |
| 16 | Use PowerSchool! |
| 17 | There are four out of seven teachers that actually communicate and really teach my Child. |
| 18 | I know it's tough managing time, but twice a week would be great to hear from my son's teachers. |
| 19 | Or daily if needed. |
| 20 | And as needed. |
| 21 | Some teachers communicate a lot, others hardly ever do. |
| 22 | Whatever is necessary. For some it will be different. This is the dumbest question on this survey by the way. |
| 23 | When needed. |










(Con't.) 18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you? ("If other" comments)

- 24 As needed. If there is a lot of info sometimes it is hard to digest. :-)
- 25 School newsletter is great. PowerSchool and teacher provided websites are plenty.
- 26 The progress emails are a huge plus this year. I just wish the grading in those emails was a little more up to date, instead of just an l.

19. Do you feel that the Administrative staff at eSTEM communicates with you on a regular basis regarding what is happening at the school?

	Responses	Percent
Strongly agree: 	80	42.78%
Agree: 	79	42.25%
Neutral: 	18	9.63%
Disagree: 	7	3.74%
Strongly disagree: 	3	1.6%
Total Responded to this question:	187	82.38%
Total who skipped this question:	40	17.62%
Total:	227	100%





20. What is your preference for communication from the school administrators? (Please check all that apply.)

	Responses	Percent
Text messages:	99	52.94%
School website:	44	23.53%
Weekly "Newsblast":	116	62.03%
Facebook:	34	18.18%
Twitter:	13	6.95%
Town Hall meetings:	16	8.56%
Evening meetings:	27	14.44%
Office hours:	16	8.56%
"One Call" phone/email messages:	100	53.48%
If other, please describe:	29	15%
Total Responded to this question:	187	82.38%
Total who skipped this question:	40	17.62%
Total:	227	100%

20. What is your preference for communication from the school administrators? ("If other" comments.)

Response Comments

- 1 I believe texting should be reserved for general "emergency" communication, with other general communication done by email.
- 2 Email.
- 3 Over all we are very impressed with what has come about for [school]! Keep it up and we look forward to seeing you for the next 4 years with our younger son.
- 4 Email.
- 5 A regular phone conversation would be nice occasionally for personal input.
- 6 Email.
- 7 I like an easy and quick way to get information.
- 8 Push notifications are best.





(Con't.) 20. What is your preference for communication from the school administrators? ("If other" comments.)

- 9 Presume the Weekly 'Newsblast' is email - but email is good.
- 10 Parent Advisory meetings are vital. Please continue these.
- 11 The emails work well.
- 12 [Principal] does a great job of communicating with us, and the frequency is terrific.
- 13 Email is preferred for non-emergencies. DO NOT make a busy parent have to go search for stuff - it will just never happen. Most of us with computers do check email. I like the phone or text for emergencies ONLY since we pay per text on our plan. Facebook is great for posting photos of activities. The school website is pathetic and impossible to find ANYTHING useful on. Only slightly better after the recent re-design (has anyone ever heard of Human Factor Engineers? Perhaps you should find one).
- 14 Personal phone calls.
- 15 Depends on the topic, all or some of above may apply more than others.
- 16 EMAILS. EMAILS. EMAILS. EMAILS.
- 17 E-mail.
- 18 I am pleased that I may participate in a parent advisory committee that is NOT invite only – but holds a come-as-you-can policy, open to all.
- 19 [Principal] is the only one that communicates with me. If I email a teacher I never get a response.
- 20 Email!
- 21 Email.
- 22 Email.
- 23 Email.
- 24 [Principal]'s weekly emails are excellent.
- 25 Emails.
- 26 Your website is really hard to navigate.
- 27 I like the e-mailed newsletters. Perfect!
- 28 Email.
- 29 Answer the office phone when someone calls. In 3 years I have yet to ever speak to a live person at this school or any [school] school or Administrative offices.





Reynoldsburg City Schools [RCS] (HS)² 2016 Parent Survey Report

This report provides a preliminary look at the survey responses for the ReynSTEM (HS)² 2016 Parent Survey.

The document presents bar charts for survey responses for Qs 1-3, 5-6, 8-9, 11-13, and 15. Questions that provided the option for respondents to add an open-ended "if other" comment are presented as submitted. Responses to open-ended questions (Qs 4, 7, 10, 14, and 16) are also presented in this document as submitted.

Thematic analysis of open-ended questions (Qs 4, 7, 10, 14, and 16) and open-ended "if other" comments will be presented in a second document to be issued as a follow-up to this report.

SURVEY PROTOCOL

The survey was drafted on January 20, 2016 and circulated for review and revision. The final version was completed on February 3, and (HS)² launched the survey on Thursday, February 4, 2016. The survey remained open until Tuesday, March 1, 2016. The survey was administered via a secure web-based platform (SurveyMethods®) designed for conducting a confidential and anonymous survey.

The survey had 65 total respondents, with a total of 48 individuals who completed the survey. Note: 12 respondents completed *only* Q1, "Agreement to Participate," but did not respond to other questions within the survey.

SUMMARY OF SURVEY QUESTIONS AND ISSUES

Q2 is a profile question.

Q4 asked parents to define what STEM means to them in an open-ended format.

Q3, Qs 5-10 and 15 are questions regarding parent's views on (HS)² as a STEM school. Parents were asked to indicate their choice for a STEM school, level of satisfaction with the STEM program, their hopes for their child, what they like most and least about the school, and where they would like to see improvement. Parents were given a set of responses to choose from, including the choice of "other" with the option of providing an open-ended written response for Qs 8-9. Q7 (hopes) and Q10 (improvements) allowed for open-ended responses, and Q15 asked if parents would recommend (HS)² to other families.

Q11 asked parents to reflect on how they can contribute to support or enhance the school's goals for the coming school year and included an open-ended response.





Qs 12-14 and 16 asked parents specific questions about STEM education at (HS)². Q12 invited parents to identify what courses, clubs, or opportunities they felt strongly about their child having at the school and included an open-ended response. Q13 invited parents to identify where they have seen their child engage in high quality STEM work at (HS)² and included an open-ended response. Q14 was an open-ended question asking parents to describe specific examples of their child's engagement with STEM at (HS)². Q16 allowed parents to share additional observations about their experience as a parent, or about their child's experience at (HS)².

Qs 17-20 addressed communication with parents from teachers and school administration. Q17-18 asked about current communication from their child's teachers. Q19 asked about current communication from school administration, and Q20 asked for preferred methods of communication from school administration including an open-ended response option.





Knowledge Capture 2016 ReynSTEM Parent Survey: (HS)²

1. This is an anonymous survey. The PAST Foundation uses survey data to support implementation of STEM education. Completing this survey will give you the opportunity to share your insights and concerns anonymously.

Your participation in this research is voluntary. You may choose not to participate. By checking the response below that states you agree to participate in this survey, you confirm that you have read and understand the PAST Foundation's Online Survey Anonymity Protocols provided for your review on the PAST Foundation website. You may review these protocols at any time on the PAST Foundation website (<https://pastinnovationlab.org/irb-2014-12-0011eth-rs-stem-school-dd/>).

	Responses	Percent
I agree to participate in this anonymous survey:	65	100%
Total Responded to this question:	65	100%
Total who skipped this question:	0	0%
Total:	65	100%



2. What is your child's grade level? If more than one child is enrolled in (HS)², please select all that apply.

	Responses	Percent
9th Grade:	23	43.4%
10th Grade:	10	18.87%
11th Grade:	20	37.74%
12th Grade:	3	5.66%
Total Responded to this question:	53	81.54%
Total who skipped this question:	12	18.46%
Total:	65	100%





3. Did you choose to send your child to (HS)² because of the STEM program?

	Responses	Percent
Yes: 	23	43.4%
No: 	30	56.6%
Total Responded to this question:	53	81.54%
Total who skipped this question:	12	18.46%
Total:	65	100%

4. What does "STEM" mean to you?

	Responses	Percent
Total Responded to this question:	42	64.62%
Total who skipped this question:	23	35.38%
Total:	65	100%

4. What does "STEM" mean to you? (Open-ended)

Response	Response Text
1	Science, technology, engineering, math. GROUP PROJECTS, which she hates!! My student is not interested in any of the above. Chose [school] due to the medical side. Honestly, would just if preferred a regular high school with more class options!!
2	Science, Technology, Engineering, and Math courses.
3	We recently relocated here and this school district does not have 'gifted' classes. STEM was the next best thing.
4	Critical thinking and increase in math and science instruction.
5	A program designed to focus on a specific area of study with higher level of learning.
6	Students focus on Science, Technology, Engineering and Math in their classes. Students are involved in critical thinking projects and should be able to transfer what they learn into real world situations.
7	Focus on area of study.





(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 8 Integrating science, technology, engineering and math into all lessons. Cross-teaching the same subject matter across different classes.
- 9 Science, Technology, Engineering, Math, but more importantly, it means a hands-on learning experience connecting all academics into one big collaborative effort. It should have students working together in small groups/teams on projects that draw from all subjects. Unfortunately, it doesn't seem this is occurring.
- 10 STEM puts an emphasis on science technology engineering and mathematics.
- 11 A curriculum that focuses on science, tech., engineering and math.
- 12 A holistic approach to educating in the four core areas of studies in which much of the learning overlaps the different classes.
- 13 It should be hands on learning. Science Technology Engineering and Math so NO art, music, language or anything else that would produce a well rounded student. THANKFULLY [school] doesn't follow that stupid interpretation too much at the moment.
- 14 Science, technology, engineering, math.
- 15 Science, technology, engineering and mathematics majors.
- 16 Science, technology, engineering and math.
- 17 STEM is an opportunity for my son to receive the most college preparatory experience he needs to perform highly successfully on the ACT. It is my hope that the classes and instructors expose him to all his potential for a future career path.
- 18 Knowledge of its acronym science, tech., engineering & math.
- 19 I try to think of it as a better education.
- 20 STEM has the potential to provide a good structured way of looking at life, business and problem solving.
- 21 An emphasis on science and engineering to solve problems.
- 22 The focus areas of Science, Technology, Engineering, and Mechanics.
- 23 Knowledge in science math technology and engineering.
- 24 Opportunity.
- 25 A more hands on based study.
- 26 Not much.
- 27 Science, Technology, Engineering and Math.
- 28 N/a
- 29 Specialized training in possible career fields in addition to general studies to guide youth to the future.
- 30 Science Technology Engineering Math Pursuing those fields more directly.









(Con't.) 4. What does "STEM" mean to you? (Open-ended)

- 31 I think it's an opportunity for my child to get a clear idea about what the professions have to offer and how to prepare for them.
- 32 I know the definition of stem but what it really means is the downfall of a solid liberal arts education.
- 33 Education emphasizing science, technology, engineering & math.
- 34 Focus on science, technology, engineering and math. I have a child interested in the health sciences and the program at [school] gives my child a peek at what kinds of course work she'll encounter in college.
- 35 Science, Technology, Engineering and Math.
- 36 Education focusing on science, technology, engineering and math.
- 37 Stronger focus on science, technology and math. Haven't seen much of a difference between this and regular non-stem schooling.
- 38 I follow my children desire, needs and interests so if they choose either academy if it is their choice we parents respect it.
- 39 Not sure.
- 40 An excellent approach to learning.
- 41 Focus learning in math and science.
- 42 It's a way for my son to be challenged in subjects that truly interest him. That's what it means to me.

5. How satisfied are you with the STEM program at (HS)²?

	Responses	Percent
Very satisfied: 	10	19.23%
Somewhat satisfied: 	24	46.15%
Not satisfied: 	4	7.69%
Unsure: 	14	26.92%
Total Responded to this question:	52	80%
Total who skipped this question:	13	20%
Total:	65	100%





6. How satisfied are you with our ability to meet your child's individual educational needs?

	Responses	Percent
Very satisfied:	14	26.92%
Somewhat satisfied:	27	51.92%
Not satisfied:	9	17.31%
Unsure:	2	3.85%
Total Responded to this question:	52	80%
Total who skipped this question:	13	20%
Total:	65	100%

7. What are your hopes for your child as a result of attending a STEM school?

	Responses	Percent
Total Responded to this question:	45	69.23%
Total who skipped this question:	20	30.77%
Total:	65	100%

Response	Response Text
1	To take college classes in a college setting.
2	I did not necessarily choose [school] because of the STEM component, so it is difficult to answer that question.
3	Graduate with the ability to enter college prepared to further his education.
4	Success in life.
5	Critical thinker and problem solver.
6	To have some knowledge of the field that they would like to go into during college years. To introduce them to the medical field and options in the medical industry.
7	I hope that she will be better prepared when she attends college.
8	The she finds the career path that meets her needs.





(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 9 I want my child to be a confident student and learner heading into college.
- 10 That our child receives a solid education. That our child is prepared for success in college and beyond. We had hoped that the STEM philosophy would provide our child with the hands-on, project-based learning experience that our child would thrive in. That has not been prevalent. It seems counter-intuitive to claim to have a STEM environment, while overfilling science lab classes (chemistry) to the point that hands-on lab activities are prohibitive. It seems that the science labs should be a focal point of learning, rather than a hassle.
- 11 To get a better understanding of how the STEM technology relates to career fields and jobs in the real world.
- 12 We did not make the choice for [school] b/c it was a STEM school. We tried to find a curriculum that was recognizable to us as parents to what a traditional high school curriculum should look like.
- 13 I hope my child is prepared to seamlessly enter the next phase in her educational career.
- 14 Not sure why everyone thinks STEM is such a great thing, especially the way it is implemented. I am more concerned about what level are the classes she is offered, what is the variety of the classes she is offered, and such things as that.
- 15 I never thought [school] was a stem school; I simply thought of it as an academy focused on coursework geared toward students interested in health-related careers.
- 16 Academics will be more recognized when colleges are looking over coursework and GPA's.
- 17 That she will be aptly prepared for college.
- 18 I did not realize that [school] was a STEM school. I thought [district STEM high school] was the STEM academy/pathway. I would expect my child to receive an education and skills to prepare him for college.
- 19 We were unaware of [school] being STEM until the first day of school. My child only picked this academy because he/she did not want to attend STEM. I don't think there is a benefit to attending STEM.
- 20 It is my hope that my son is adequately prepared for his college experience post high school.
- 21 Learn more about the opportunities associated not so much with STEM but with [school]. Specifically introduction to health related fields and programs. As well as internships in those fields, like nursing or athletic training.
- 22 To be able to go out into society and be a contributing person in everything she does.
- 23 I am hoping that he will be able to complete his education and move forward in his career goal.
- 24 Honestly, we don't have much of a choice given the way [district] has set up the high school. I hope that there is something that will provide all that my child needs to succeed without feeling rushed through programs to say, "We did it!"
- 25 Did not make a choice based on STEM.
- 26 Better skills that will help him in college and when he joins the work force.
- 27 To advance to college level courses before graduation.
- 28 Better understandings of curriculum and hopefully better opportunities.
- 29 For the school to call me when my child is failing. Not after he has failed.













(Con't.) 7. What are your hopes for your child as a result of attending a STEM school? (Open-ended)

- 30 I was hoping that my son would be getting more basic educational material needed for him to become a marine biologist. So far, none of the four academies of [district] offer him what he needs.
- 31 My hope is that my daughter will have access to educational opportunities that will expand her learning and career. I hope this allows my daughter the opportunity to gain a head start in deciding a future career path.
- 32 Through hard work, concepts in for example Chemistry are understandable and you can be able to do the labs but also my child knows why they are doing it. High school science and math doesn't prepare students for college so I am hoping they will be prepared.
- 33 LEARN MORE ABOUT MEDICAL FIELDS AND OPTIONS TO PURSUE.
- 34 To be prepared to make future career decisions.
- 35 I sent my kids to the health and human services school. Not the stem school. Bait and switch is what this feels like.
- 36 Quality education to enable my child to attend the college of choice & be confident in choice on major/job.
- 37 Easy transition from high school to college.
- 38 We didn't even realize [school] was STEM when our student chose it.
- 39 Receive a quality education and have the ability to attend the college of their choice and the select a major that will enable a good future.
- 40 Stronger foundation in math and science.
- 41 It needs to be incorporated, modify or merge.
- 42 Becoming prepared for college.
- 43 That they are exposed the various aspects of STEM with opportunities for hands on experience in the STEM environment.
- 44 I hope that the program set her up to be prepared for college and give her real life experiences geared toward her career of choice.
- 45 For his interest to continue to be piqued with the curriculum provided by the STEM program and the staff whose teaching it.





8. What are the things you like most about (HS)2? (Please check all that apply.)

	Responses	Percent
Quality of instruction: 	22	44%
Real world problems: 	12	24%
Course offerings: 	24	48%
Projects/Activities: 	12	24%
Teacher/Classroom support: 	25	50%
Schedule: 	15	30%
Design thinking: 	3	6%
If other, please describe: 	8	16%
Total Responded to this question:	50	76.92%
Total who skipped this question:	15	23.08%
Total:	65	100%









8. What are the things you like most about (HS)²? ("If other" comments.)

Response	Comments
1	None of the above.
2	Incorporating speakers into the structure of the school is great for students who want to pursue a career in the health field. My son is still unsure what he wants to do, but I think having access to the speakers is a definite bonus.
3	I love how the students are able to open a door and be at Columbus State. I also like the internships that the students can be involved in.
4	Teachers are fantastic, can't say enough about how great they are. They want all kids to succeed. Actual TEXTBOOKS – not everyone has computer access at home and it is less easy to distract a teenager with a book than with the internet! LOVE the full year classes - gives students time to learn and teachers time to teach in more depth. DO NOT EVER go to that stupid system used at [district STEM high school].
5	LOL.
6	My daughter likes it. I like that she has the same classes all year.
7	CSCC classes.
8	Focus on medical field/allied health.





9. What aspects of (HS)² do you like least? (Please check all that apply.)

	Responses	Percent
Quality of instruction: 	9	20.93%
Real world problems: 	9	20.93%
Course offerings: 	18	41.86%
Projects/Activities: 	5	11.63%
Teacher/Classroom support: 	8	18.6%
Schedule: 	6	13.95%
Design thinking: 	6	13.95%
If other, please describe: 	18	41%
Total Responded to this question:	43	66.15%
Total who skipped this question:	22	33.85%
Total:	65	100%

9. What aspects of (HS)² do you like least? ("If other" comments.)

Response Comments

- 1 All teachers I have talked to seem confined or restricted by the school board. Every teacher I have talked to is unhappy with the school board and the decisions that the school board makes for him or her. Let teachers teach...
- 2 Overall I am happy with [school], I have more issue with the 4 academy set-up and forcing students at 8th grade to select a path. I wish my son had the opportunity to select electives from all academies. High school should be the time for students to explore interests instead of being forced into electives only within their academy.
- 3 I have not been pleased with some of the teachers this year. I feel that Mr. (blank) has favorites and I don't appreciate some of the activities that he does in History. Mrs. (blank) just doesn't seem that interested in helping students learn in chemistry.
- 4 I don't like teachers trying to influence students in THEIR political views.
- 5 The inflexibility of the curriculum and course offerings.





(Con't.) 9. What aspects of (HS)² do you like least? ("If other" comments.)

- 6 I don't see gifted kids challenged enough in the proper ways. They said it was for veterinarians - don't see anything really non-human in the classes offered. The district as a whole does not support the teachers correctly. [District] does the best it can within those constraints. Need gym that is NOT online. That is just SO crazy in a world of increasing obesity and diabetes. Get kids actually MOVING and not sitting. Get them OFF of the computers - even for classwork. Not every family has computer access and it is SO unnecessary the way it is used oftentimes. Computers for the sake of computers are wrong. CSCC needs to understand that these are HIGH SCHOOL STUDENTS and talk to parents. Pathetic. Someone explain the concept of DUAL ENROLLMENT to them please. The student is STILL a high schooler and should be treated as such!
- 7 Sometimes we've experienced scheduling problems. It seems like the school has had trouble trying to offer or follow through on everything it promises. Sometimes when we have a scheduling conflict it seems no one has an answer and knows where to get an answer. I have high hopes that these kinks will be solved with time. I am happy that my daughter has the opportunities that she has.
- 8 None apply.
- 9 There are a few teachers that are not effective in pupil instruction. If the majority of the class gets an F on a quiz/test then it's either the students or the teacher. Most likely the teacher is lacking in reaching their class.
- 10 I've been disappointed in the actual STEM related activities that apply to my son's academic choices.
- 11 The idea that seniors must do an internship even though they have a real paying job. The internship is nothing but slave labor because it has nothing to do with what my child is planning for her future!!!
- 12 There is not enough communication between the teachers and parents when it comes to setting a career goal for the student.
- 13 Some of the classes offered for college help don't really teach in a manner that is appropriate for high school.
- 14 Lack of hard science course offerings.
- 15 Dress code. Superintendent running district like a corporate raider.
- 16 My student doesn't seem to be doing any significant project work or if she is, I don't see it.
- 17 Not sure.
- 18 None.

10. If you could ask for one improvement in the next school year, what would it be?

	Responses	Percent
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Total Responded to this question:	36	55.38%
Total who skipped this question:	29	44.62%
Total:	65	100%





10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

Response	Response Text
1	How about teachers who actually want to teach to the multi level learners in their class. One way for all kids does not work. The teachers we have are burnt out and it shows in their lack of teaching. The new teachers are eager to teach but using this as a stepping-stone to a better district/area school.
2	More support for new students like assigning a buddy who can explain school rules, expectations and how to maneuver in this unique setting.
3	None.
4	I would ask that the school board stop restricting teachers.
5	More flexibility to take courses within academies.
6	Students wear scrubs and more projects geared toward medical world (such as knee surgery that was shown at beginning of school year) and trips/intern to medical facility.
7	More schedule flexibility.
8	Class sizes that encourage lab activities.
9	I don't have any suggestions at this time.
10	I would include more electives and less emphasis on "pathways."
11	Better organization and communication. For example, assemblies are sometimes last minute and some teachers are not aware.
12	We had issues coming in from gifted program and not being challenged enough in the English classes. Seriously, one summer, the SAME BOOK for EVERY GRADE LEVEL for the summer reading assignment. There are SO MANY marvelous things out there, you couldn't find something different? Same issue exists at all the HS academies, especially for kids coming in from Gateway who have left analyzing Shakespeare in the original Elizabethan English and now you hand them a 3rd grade level book to do as a read together in class. I think a little more separation based on ability coming in from Junior High would be great.
13	More coordination between Columbus State and the high school guidance office would be helpful.
14	Opportunities to take classes that would actually be related to the fields for human and health services outside of the standard classes that every school takes in Ohio. I do not notice a difference if the coursework when my child speaks with friends in other districts of non-stem schools. There are little or limited extracurricular to help build my child's college application at [school] - I would like to see more offered than just sports - or even an extracurricular during school that was able to be added to the college prep.
15	To open the "bodies" program to more students.
16	More course offerings. Especially for seniors that only a 1-2 credits to complete for graduation. There should be more courses available or in depth internships made available.
17	Stop the mandatory internship for seniors. Make it elective.
18	For the parents to be informed on career offered at the career centers just in case the STEM program is not offering the career of your child's choice.





(Con't.) 10. If you could ask for one improvement in the next school year, what would it be? (Open-ended)

- 19 I liked traditional education. I don't know what this new teaching philosophy could do that I would feel like my children the best education that they deserve.
- 20 Better parent teacher communication.
- 21 Decrease student-teacher ratio.
- 22 A better anatomy class. One that models an actual anatomy class.
- 23 Teach kids how to balance a checkbook and explain what a mortgage is. How bills come every month. You know real world things.
- 24 Give more biological science courses.
- 25 The schedule to be a little earlier than it is now. I feel like the [district school] school schedule would benefit a lot of families. Also the teachers that are new to education should have more training in the classroom and should know the signs of when students are struggling to grasp the concepts of the course.
- 26 MORE HAND ON EXPERIENCES AND/OR LIVE SURGIES.
- 27 Less disruption from other students.
- 28 Bring in more arts!!
- 29 Increase extracurricular activities (clubs, student council, etc.) and elective choices.
- 30 More hands on lab work.
- 31 Ensure French 2 is offered.
- 32 Increase choice/variety of electives & extra curricular like clubs and student council.
- 33 Relax dress code, lol. No more collars on shirts, and allow jeans with no rips. Tired of paying for two wardrobes and trying to find clothes that meet criteria.
- 34 More college credits programs, curriculum and variety classes.
- 35 Better explanation of what the STEM program entails and best way to make it work.
- 36 More consistency with the uniforms, school policies, and discipline from teachers.





11. How can you contribute to supporting or enhancing the school's goals for the coming school year?

	Responses	Percent
Parent-Teacher Conferences:	28	66.67%
Parent Open House:	12	28.57%
STEM Night:	8	19.05%
Field trips:	11	26.19%
Mentoring:	3	7.14%
Parent Advisory Board:	15	35.71%
If other, please describe:	6	14%
Total Responded to this question:	42	64.62%
Total who skipped this question:	23	35.38%
Total:	65	100%

11. How can you contribute to supporting or enhancing the school's goals for the coming school year?

Response	Comments
1	Not sure.
2	Opportunities to volunteer/intern at medical facilities.
3	I would volunteer to help in classrooms or at library if needed. Maybe some parents could come in and talk about their professions to the kids - like the brown bag lunches or a group of seniors/juniors considering a field.
4	I can't.
5	Maybe have parents with career jobs come in and speak to the students.
6	This is not my job.





12. I feel strongly about my child having the following at (HS)² (please check all that apply):

	Responses	Percent
Music:	18	36.73%
Art:	19	38.78%
STEM Design:	12	24.49%
Computer Science:	19	38.78%
Foreign Language:	25	51.02%
Physical Education:	23	46.94%
Health:	27	55.1%
BODIES Program:	29	59.18%
Student-led Health Fair:	18	36.73%
Observing live knee-replacement surgery:	31	63.27%
Observing autopsy:	26	53.06%
Exposure to health professions through Lunch & Learns:	35	71.43%
College courses:	35	71.43%
Career Pathways:	27	55.1%
If other, please describe:	6	12%
Total Responded to this question:	49	75.38%
Total who skipped this question:	16	24.62%
Total:	65	100%

12. I feel strongly about my child having the following at (HS)² ("If other" comments):

Response Comments

- Career pathways are limited and restrictive for the student. Just there trying to make the school look like they are doing something.**
- Opportunities to learn Medical Terminology and introduction to various medical fields to allow students a pathway of what they would like to go to college for. Classes/school structured more for medical field**









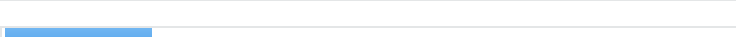




(Con't.) 12. I feel strongly about my child having the following at (HS)² ("If other" comments):

- 3 Other electives currently only offered at other [district] High School Academies!!!
- 4 Opportunity for flexibility is VERY important. Education should be well rounded enough so that kids can excel at whatever field they chose to enter. My kid is squeamish around blood but there are MANY areas even in the medical field, which do not require tolerating seeing blood. So the mandatory knee surgery and autopsy are not really well liked. The concepts of learning about them are great; the actual blood is not. It would also be nice if students OUTSIDE of [school] could share some of these experiences. Not happy with the way science got split BETWEEN academies in [district]...
- 5 Stem design is a huge waste of time.
- 6 I am very interested in internships as a part of Bodies or even outside of Bodies.

13. Where at (HS)² have you seen your students engage in high-quality STEM work? (Please check all that apply.)

	Responses	Percent
Science: 	21	50%
Math: 	15	35.71%
Language Arts: 	5	11.9%
Social Studies: 	8	19.05%
Electives: 	2	4.76%
Design Challenges: 	5	11.9%
Learning to apply "Habits of Mind": 	1	2.38%
Internships/Capstones: 	2	4.76%
If other, please describe: 	8	19%
Total Responded to this question:	42	64.62%
Total who skipped this question:	23	35.38%
Total:	65	100%

13. Where at (HS)² have you seen your students engage in high-quality STEM work? ("If other" comments.)

Response **Comments**

- 1 None, which is fine considering we did not pick due to a STEM school.





(Con't) 13. Where at (HS)² have you seen your students engage in high-quality STEM work? ("If other" comments.)

- 2 Unsure.
- 3 Have not seen anything other than Live Knee Surgery.
- 4 Honestly, I haven't seen much at all this year. Last year, I saw a lot in [teacher]'s classroom.
- 5 I don't know of any.
- 6 Stem design class.
- 7 I really haven't.
- 8 Not sure.

14. What is the best example of STEM work your student has engaged in at (HS)²?

Responses Percent

Total Responded to this question:	30	46.15%
Total who skipped this question:	35	53.85%
Total:	65	100%

14. What is the best example of STEM work your student has engaged in at (HS)²? (Open-ended)

Response	Response Text
1	Unsure.
2	Observing live video of medical operations.
3	Live Knee Surgery.
4	The making of the human skeleton.
5	Uncertain.
6	Don't know of anything.
7	Currently the courses are very basic so the student has not had a chance to engage is STEM work
8	Observing the real life surgeries.
9	In STEM design, they built and programmed robots.
10	Making human skeletons and body systems out of spare parts and pieces found around the house for biology class. It was STEAM at it's best -- yes ART, that piece that should always be included in the best of things.







(Con't.) 14. What is the best example of STEM work your student has engaged in at (HS)²? (Open-ended)

- 11 I am really not aware of anything. Perhaps a biology project as a sophomore, regarding genetics?
- 12 I can't remember the project they put together exactly but it was something with a dog as the symbol and creating it with a group using technology and shapes design.
- 13 Unknown.
- 14 I am actually not aware of any work that is specifically STEM related and not just regular curriculum.
- 15 I can't recall one.
- 16 I haven't seen any in depth STEM work or projects. Really it seems my student's classes are regular classes.
- 17 Nothing, my child has not enjoyed anything about her senior year. She is stressed because she is unable to get her internship hours in along with her paying job and still do her homework.
- 18 Forensic Program was really neat.
- 19 I don't think she has.
- 20 ??????
- 21 My daughter was able to watch an autopsy and that gave her more insight into other fields of the medical career that aren't as visible as others.
- 22 LIVE KNEE SURGERY.
- 23 I repeat. I did not send my child to a stem school.
- 24 We have not seen STEM work beyond the forced STEM design "elective." Our student does not feel the work is any different than our [district high school] student's work.
- 25 That's the problem - not seeing engagement - but my student is a freshman.
- 26 They don't take much but if it would be nice if curriculum is merged, just like cross training if take it get credit for it towards your final grading.
- 27 Not sure.
- 28 Building robot challenge at the beginning of the year.
- 29 I am not sure as of yet.
- 30 The projects that he gets to participate in, like the eye dissection.





15. Would you recommend (HS)² to other families?

	Responses	Percent
Yes: 	41	85.42%
No: 	7	14.58%
Total Responded to this question:	48	73.85%
Total who skipped this question:	17	26.15%
Total:	65	100%

16. Is there any feedback you would like to share with the school administrators about your child's experience at (HS)²?

	Responses	Percent
Total Responded to this question:	28	43.08%
Total who skipped this question:	37	56.92%
Total:	65	100%

16. Is there any feedback you would like to share with the school administrators about your child's experience at (HS)²? (Open-ended)

Response	Response Text
1	My son is struggling because he is new to Ohio, misses his friends, and doesn't feel that he is getting supports as a new student.
2	None.
3	[School] is the best option for my child in the [district] schools but I think more emphasis should be geared toward Medical/Health field, even if after school programs and classes specifically for Medical/Health field. More interaction with partnership schools for students to learn some hands-on or interactive activities to help them learn or broaden their vision of the medical field. Since students have a dress code, to make it easier, I would like to see them wear scrubs and earn incentives. I would like to see more of a STEM school than a regular school. Provide opportunities for students to learn at facilities as extra credit or an incentive to learn. Partner with more facilities and/or schools in the area made available to ALL students and not just upper class. My child loves the projects and live knee surgeries. I think there should be more projects that can be done on a class level or school wide level.
4	She really likes it and especially likes how she is earning college credit. She is interested in Science but doesn't know what field so the internships and the Lunch and Learns are helpful.





(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at (HS)²?
(Open-ended)

- 5 My child is on track to graduate with honors, but has not been scheduled for the required art class yet. He will have to take this his senior year, which is frustrating - we have our fingers crossed that he will be scheduled into this class (he has been trying since 9th grade).
- 6 I would recommend [school] to other families as long as a great principal like [principal] is there ... My children need more options for classes other than cols state/college courses. I want them to have an opportunity to take sociology, psychology, accounting, and business law electives in the high school setting, not in a college setting. Their wonderful high school teachers still have lots of work to do to help teach my youngsters how to think & prepare for college. College is coming soon enough...
- 7 My child has had a positive experience this year but would prefer to have more STEM opportunities.
- 8 It is the committed teachers and admin that have made [school] such a good choice for my child. She won't leave even though she doesn't want to be in the medical field. I like the flexibility that you've shown to find coursework that challenges and interests her. Her teachers and admin genuinely care about her succeeding and doing well at school and learning. That is SO priceless! So please, please, don't do anything that would change that.
- 9 Overall I have been happy with [school]. I think that STEM needs to be communicated more clearly; I know I'm confused about exactly what it is and how it affects my daughter's [school] experience.
- 10 My child is "bored" at school and the main concern I have with the classwork is the group projects if the teacher creates a group and you have the group that doesn't work well together and you end up doing all the work - OR, if you have 1-2 people you actually know and are comfortable with and the teacher places you with students you don't know taking you out of your comfort level and decreasing your motivation. I need to have a conference as there are a few teachers that get frustrated if my child asks a question or doesn't understand a project - isn't that what the teacher is there for???
- 11 N/A.
- 12 I would recommend [school] even though it lacks any true STEM components but because the teachers are great as well as the administrative staff. However, the [school] counselor is not that knowledgeable on future career choices or very interactive with students.
- 13 It has not been a great experience for her. A lot of the good teachers she really liked have moved to other school districts for whatever reasons.
- 14 My son enjoys the teacher and staff we just need to get him on the correct career path.
- 15 [School] is the best option of all of academies for my student. I don't necessarily care for the way things have gone, but have do like the administration and feel that they are doing their best.
- 16 I don't know if what children talk about is true but if the things go on like they talk you can't fix it
- 17 I am not too impressed with the career pathways that are in placed at the four academies; it restricts the students to only a handful of career options. For instances, there is nothing at [district high school] for students who want to go into a science career (that is non-medical) or a writing career. Everything is geared toward top demand industry careers, not helpful for a student who desires something other than the rigid career pathways offered. There are no general education pathways for the child who does not want to do none of the above pathways.
- 18 Need tutoring opportunities for subjects such as calculus, physics, etc.
- 19 THERE ARE MORE OPPORTUNITIES IN THE MEDICAL FIELD AT [neighboring city] PUBLIC SCHOOLS THAN [district]!










(Con't.) 16. Is there any feedback you would like to share with the school administrators about your child's experience at (HS)?
(Open-ended)

- 20 [School] is a more traditional high school. Not all students are capable or like the block scheduling and fast pace at [district STEM high school].
- 21 New to [district] this year, we had a seamless transition. My child has enjoyed her year in [district].
- 22 Pathways are not clearly defined. So far, this academy does not appear to be particularly health oriented but maybe that will kick in more in 11th grade. Overall, though, we are very happy with the academy and look forward to BODIES.
- 23 [District] is more like a traditional high school and offers a quality education. I like that college courses are available at no cost to the students. I am glad that the classes are not in blocks like [district STEM high school] - not all students can focus for a long period of time in fast paced classes. I would like to see the same early start time at both campuses and would like to have the dress code revisited so that the students have a voice in selecting their campus wear.
- 24 Fine so far. Next year will be a better gauge. No issues for now. Chemistry program could be stronger.
- 25 It's very enriched and helpful in the real world meaning post secondary studies and in society overall.
- 26 I truly don't understand the program, and I'm not sure if this will benefit my student once in college.
- 27 None.
- 28 He has had an excellent experience!

17. Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?

	Responses	Percent
Strongly agree: 	4	8.33%
Agree: 	12	25%
Neutral: 	15	31.25%
Disagree: 	9	18.75%
Strongly disagree: 	8	16.67%
Total Responded to this question:	48	73.85%
Total who skipped this question:	17	26.15%
Total:	65	100%





18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?

	Responses	Percent
Daily:	1	2.17%
Weekly:	18	39.13%
Bi-weekly:	10	21.74%
Monthly:	8	17.39%
If other, please describe:	9	19.57%
Total Responded to this question:	46	70.77%
Total who skipped this question:	19	29.23%
Total:	65	100%

18. If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you? (Open-ended)






Response	Comments
1	With teachers busy schedule of grading, assignments, etc. Bi-Weekly updates would be feasible. Or weekly if time permits but would accept Bi-Weekly.
2	I honestly never hear a word from them.
3	I would like to know if my student is failing to complete work or is struggling on tests.
4	As needed, which is what they do now. I get phone calls from the art teacher or an email. I often reach out to teachers and they respond back. We get text notifications from some.
5	When I need communication from them I always reach out to them.
6	I appreciate the teachers that have the reminder text messages. Yet, PowerSchool is not updated enough to help me redirect my child when needed. Also, I would appreciate some type of electronic syllabus to let me know what is upcoming for my child not just what they did.
7	At the high school level, I feel it is the student's responsibility to stay on top of their classwork. Receiving daily updates about my student's progress is helpful.
8	Doesn't matter as this is my last child in school and she's a senior
9	I don't know that I want more information from the teachers. I see this as a stepping-stone from hearing from my child's teachers regularly to never hearing from them in a college atmosphere.








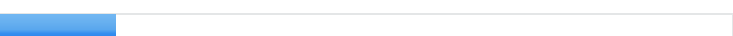





Knowledge Capture

19. Do you feel that the Administrative staff at (HS)² communicates with you on a regular basis regarding what is happening at the school?

	Responses	Percent
Strongly agree: 	11	23.4%
Agree: 	22	46.81%
Neutral: 	9	19.15%
Disagree: 	3	6.38%
Strongly disagree: 	2	4.26%
Total Responded to this question:	47	72.31%
Total who skipped this question:	18	27.69%
Total:	65	100%

20. What is your preference for communication from the school administrators? (Please check all that apply.)

	Responses	Percent
Text messages: 	31	64.58%
School website: 	15	31.25%
Facebook: 	5	10.42%
Twitter: 	2	4.17%
Town Hall Meetings: 	4	8.33%
Evening meetings: 	7	14.58%
Office hours: 	6	12.5%
"One Call" phone/email messages: 	32	66.67%
If other, please describe: 	17	35%
Total Responded to this question:	48	73.85%
Total who skipped this question:	17	26.15%
Total:	65	100%





20. What is your preference for communication from the school administrators? ("If other" comments.)

Response	Comments
1	They do not communicate about problems in the building well at all.
2	Email? Why is this not a choice?
3	Would like to see School Website updated more.
4	I also like the email updates.
5	Email.
6	Email.
7	Email.
8	We've done face to face. I've had text messages in the past, but we pay per text and they are by nature short. Prefer the email where things can be elaborated on. I don't want to have to look for something; I want it delivered to me in my email box. Life is busy. I don't have time to go search for things, but I read email at least once a day. I also suggest the ability on the parent portal of its learning to send out daily messages. Facebook is nice for photos of events but not how I want to learn something important that I need to know right away. Texts for emergency situations only.
9	Email.
10	Email.
11	Letters or emails can be sent out especially if there is a major course change. A parent should not have to find out when schedules are emailed that a class is no longer being offered (leaving student with a empty schedule) and having to scramble to find an alternative.
12	The updates from [teacher] are excellent, and a good way for me to stay on top of important dates for my child.
13	E-mail.
14	Email.
15	Email. Facebook is not good because message could fall off the viewing area. I can't figure out Twitter, lol. Would like to see school website utilized more; that's where people outside the district go for more info on the [district] programs.
16	Personal phones calls, emails.
17	Email.





Appendix C:

Overview by School of Parent Responses of Four Key Dimensions:

- What Does STEM Mean to Parents?
- What Are Parents' Major Frustrations?
 - What Are Parents' Aspirations
for a STEM Education?
- What Do Parents Like about STEM?



Herbert Mills Elementary Parent Survey

What Does STEM Mean to Parents?



- Half of parents (50%) identify creative and critical thinking, hands-on learning, and collaboration as essential aspects of STEM education.
- Nearly half of parents (43%) defined STEM as science, technology, engineering and math, reflecting an increase of 14% over 2015 in the number of parents who associate STEM with core content areas.

What Are Parents' Major Frustrations?



- Just under one-fifth of parents (16%) believe that the quality of instruction needs to be improved and would like increased support for classroom teachers.

What Are Parents' Aspirations for a STEM Education?



- Over half of parents (55%) want intellectually challenging, real-world, hands-on learning experiences to ensure academic success.
- One-fourth of parents (25%) hope that a STEM learning environment will lead to future success in middle school, high school, and beyond.
- Nearly one-third of parents (32%) hope students will gain a love of learning that leads to success in STEM skills and interests in STEM careers.

What Do Parents Like About STEM?



- Nearly three-fourths of parents (74%) identified STEM projects and activities as important to student learning and success.
- Over half of parents value the quality of instruction (58%) and student engagement in design thinking through real world problems (56%).



Summit Elementary Parent Survey

What Does STEM Mean to Parents?



- Over two-thirds of parents (69%) identify integrated content, creative and critical thinking, hands-on learning, and collaboration as essential aspects of STEM, reflecting a 35% increase over 2015 in the number of parents who believe STEM involves more than content instruction.

What Are Parents' Major Frustrations?



- Nearly half of parents (45%) feel strongly about the value of foreign language learning; however, nearly one-third of parents (30%) feel unsure about the value of learning Chinese for student success in middle and high school.

What Are Parents' Aspirations for a STEM Education?



- Over half of parents (53%) hope students will gain a love of learning through intellectually challenging, real-world, hands-on learning experiences.
- Over one-fourth of parents (28%) hope that a STEM learning environment will lead to future academic success in middle and high school, as well as college.

What Do Parents Like About STEM?



- Nearly nine of every ten parents (88%) value student learning that involves use of 21st century skills, including collaboration and problem solving.
- Over two-thirds of parents view the quality of instruction (69%) and engaging students in design thinking (73%) as program strengths.



Baldwin STEM Parent Survey

What Does STEM Mean to Parents?



- Nearly two-thirds of parents (65%) identify creative and critical thinking, hands-on learning, and collaboration as essential aspects of STEM, reflecting a 20% increase over 2015 in the number of parents who believe STEM involves more than content instruction.

What Are Parents' Major Frustrations?



- Less than one-fifth of parents (18%) believe that the quality of instruction can be improved, and (23%) would like to see increased support for classroom teachers.
- A small number of parents (13%) expressed concern for managing behavioral issues and potential for bullying.

What Are Parents' Aspirations for a STEM Education?



- Nearly half of parents (44%) want intellectually challenging, real-world, hands-on learning experiences to ensure academic success.
- Over one-third of parents (40%) want students to be prepared for future success in high school and college, and motivated to gain real-world skills that prepare them for future success.
- Nearly one-third of parents (32%) want students to gain critical skills in STEM-related content areas in preparation for STEM careers.

What Do Parents Like About STEM?



- Over two-thirds of parents (67%) value student learning through real world problems.
- Nearly two-thirds of parents (61%) value project learning activities, and half of parents (50%) see design thinking as important to student academic success.



eSTEM Academy Parent Survey

What Does STEM Mean to Parents?



- Nearly one-third of parents (32%) identify creative and critical thinking, hands-on learning, and collaboration as essential aspects of STEM.
- One-fourth of parents (26%) believe that STEM education can offer students a pathway to success and career development.

What Are Parents' Major Frustrations?



- Nearly one-third of parents (29%) think that course offerings could be expanded, and 31% also believe scheduling constraints limit student options and access to desired courses, including traditional AP courses and more diverse elective courses.

What Are Parents' Aspirations for a STEM Education?



- Over half of parents (58%) hope that a STEM learning environment will lead to future success in college and career.
- Just under half of parents (42%) want students to gain critical skills in STEM-related content areas, including math and science, that can lead to STEM careers.

What Do Parents Like About STEM?



- Over half of parents (51%) value student learning through real world problems, and (45%) also see design thinking as important to student academic success.
- Nearly half of parents (49%) identified the quality of instruction as an important program strength.



(HS)2 Academy Parent Survey

What Does STEM Mean to Parents?



- Over one-third of parents (36%) identify creative and critical thinking, hands-on learning, and collaboration as essential aspects of STEM.
- Nearly one-fifth (19%) of parents think STEM education offers students a pathway to success in career development.

What Are Parents' Major Frustrations?



- Just under half of parents (42%) think that course offerings should be expanded to include additional classes in Health and Human Services, more electives, as well as increased flexibility in taking courses offered in the other RCS High School Academies.

What Are Parents' Aspirations for a STEM Education?



- Nearly three-fourths of parents (71%) said exposure to the health professions, as well as access to college courses are important for student success in the future.
- Just over one-third of parents (38%) hope that a STEM learning environment will lead to future success in college and STEM-related careers.

What Do Parents Like About STEM?



- Over half of parents (52%) value the program focus on training for medical occupations.
- Nearly half of parents (44%) find the quality of instruction to be a strong aspect of the program, and (50%) think that the program provides important support for classroom teachers.





Appendix D:

Introduction: Comparative Analysis

ReynSTEM 2016 Comparative Analysis of Parent Perception About STEM in Five RCS Schools





Appendix D: ReynSTEM Schools 2016 Comparative Analysis of Parent Survey Responses

Parent surveys were conducted in February to March 2016. Individual Survey Reports for each of the five schools including Herbert Mills STEM Elementary, Summit Road STEM Elementary, Baldwin STEM Middle School, eSTEM High School, and (HS)² High School are presented in Appendix C. The report presented in Appendix D is a comparative overview of all parent responses across the five schools.

This comparative analysis presents responses from each school in quantitative (% of responses), or in qualitative analysis in tabled format organized into thematic issues identified by parents at the elementary, middle, or high school levels. Tabled data is designed to compare issues identified by parents that are exclusive to particular grade levels, as well as where parent perspectives involved issues raised across K-12 grade levels.

Questions 1 and 2 are not included in this report. Q1 asked respondents for agreement to participate in an anonymous survey and Q2 asked respondents to identify grade level of their child. Response to Q2 is reported in each individual school survey report (see Appendix C).

Note that responses for the following questions were analyzed for the top three categories identified by parents and are presented in two formats (3-D pyramid, followed by bar charts for each category):

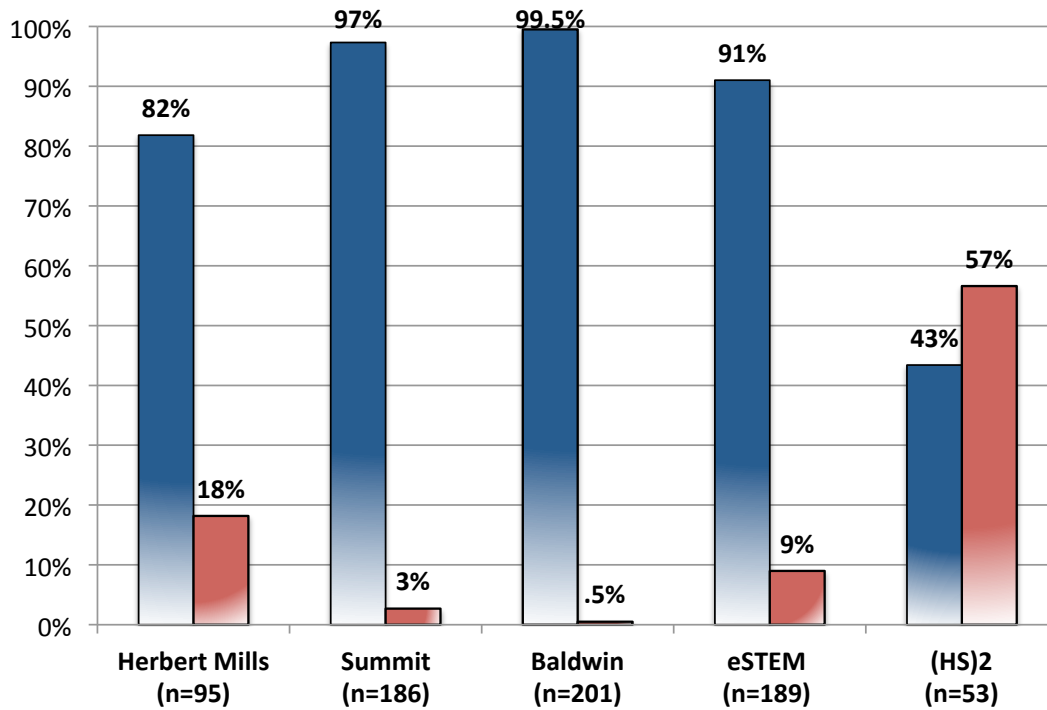
- What do you like most about [the school]?
- What aspects of [the school] do you like least?
- Where at [the school] have you seen your child engage in high-quality STEM work?
- What is your preference for communication from the school administrators?

The comparative analysis of parent surveys across grade levels offers insight on how parents view particular aspects of STEM that compose fundamental elements of the five STEM schools. This report both demonstrates where parents are informed and supportive of school programmatic design, as well as where gaps exist in parental understanding of program goals and opportunities for students who are engaged in learning through transdisciplinary problem based learning that is the hallmark of a STEM education program.





Q3*: Did you choose to send your child to [the school] because of the STEM program?



Key	
■	Yes
■	No

*Q2: Herbert Mills





Q4: What does STEM mean to you?

What does "STEM" mean to you?	Number of Buildings* (n=5)
Acronym only: <i>Science, Technology, Engineering, Math</i>	■ ■ ■ ■ ■
Expanded educational and career pathways	■ ■ ■ ■ ■
<i>Problem based learning: hands-on, engineering design principles</i>	■ ■ ■ ■ ■
<i>21st century learning: rigor, critical thinking, problem solving, innovative, outside the box</i>	■ ■ ■ ■ ■
<i>Advanced education</i>	■ ■ ■ ■
<i>Integrated curriculum, real world problems (transdisciplinary learning)</i>	■ ■ ■ ■
<i>Technology related teaching</i>	■ ■ ■ ■
Higher level of student engagement	■ ■ ■ ■
<i>Collaboration rich environment</i>	■ ■ ■
Differentiated learning	■ ■ ■
<i>Nontraditional learning environment</i>	■ ■ ■
STEM ambiguity: E=Environment; M=Mechanics	■ ■
<i>Safe environment for learning</i>	■ ■
<i>Blended learning environment</i>	■ ■
<i>Parental involvement in the learning process</i>	■

*■Elementary School; ■Middle School; ■High School

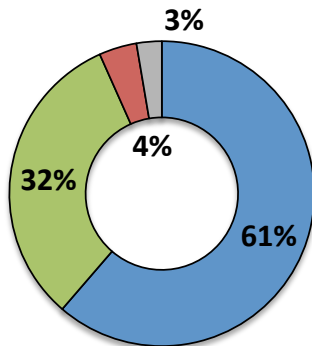
Note: text in *italics* indicates words or phrases used by parents in survey responses.



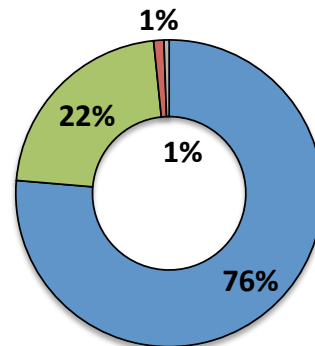


Q5: How satisfied are you with the STEM program?

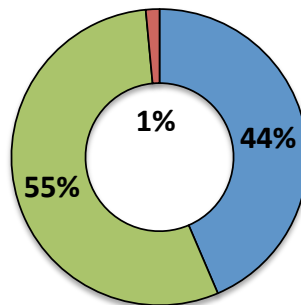
Herbert Mills (n=75)



Summit (n=186)

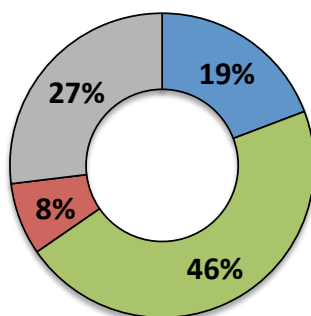


Baldwin (n=202)

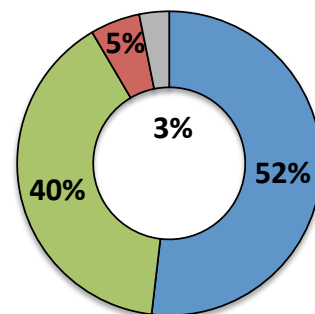


Key	
■	Very satisfied
■	Somewhat satisfied
■	Not satisfied
■	Unsure

(HS)2 (n=52)



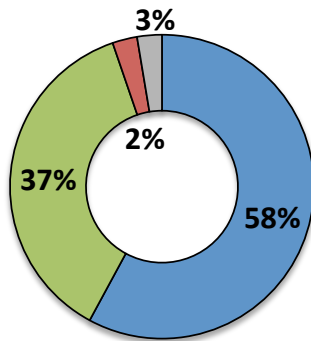
eSTEM (n=189)



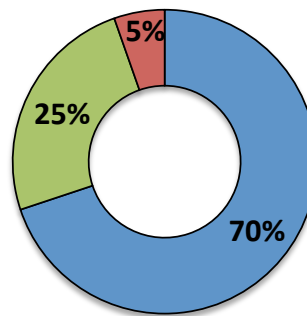


Q6: How satisfied are you with our ability to meet your child's individual educational needs?

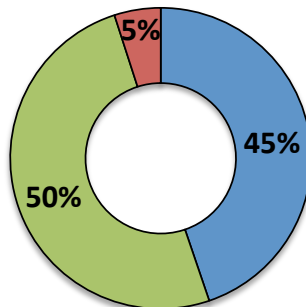
Herbert Mills (n=76)



Summit (n=186)

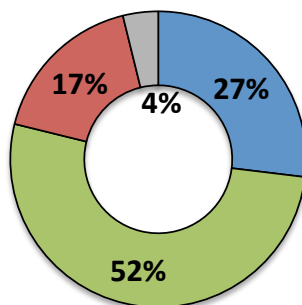


Baldwin (n=201)

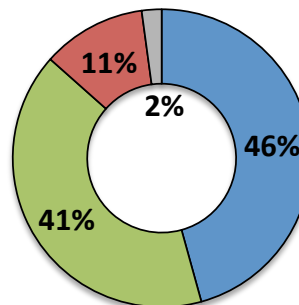


Key	
■	Very satisfied
■	Somewhat satisfied
■	Not satisfied
■	Unsure

(HS)2 (n=52)



eSTEM (n=186)





Q7: What are your hopes for your child as a result of attending a STEM school?

What are your hopes for your child as a result of attending a STEM school?	Number of Buildings* (n=5)
PROGRAM ATTRIBUTES	
Exposure to more opportunities	■ ■ ■ ■ ■
STEM as an educational advantage	■ ■ ■ ■
Differentiated learning	■ ■ ■
Caring and supportive staff	■ ■ ■
Like-minded students	■ ■
NONTRADITIONAL EDUCATION	
Not teaching to the test	■ ■
Nontraditional education	■ ■
PROBLEM BASED LEARNING	
Hands-on learning	■ ■ ■ ■ ■
Gain education in STEM fields	■ ■ ■ ■
Engage in the design process	■ ■ ■ ■
TRANSDISCIPLINARY PROBLEM BASED LEARNING	
Solving real-world problems	■ ■ ■
Integrated STEM	■ ■
STUDENT GROWTH	
Become an engaged learner	■ ■ ■ ■ ■
Become a well-rounded student	■ ■ ■ ■
Develop confidence	■ ■ ■ ■
Students need to be challenged	■ ■ ■ ■
Build leadership skills	■ ■ ■
Develop social skills	■ ■ ■
Build independent learners	■ ■
21ST CENTURY LEARNING SKILLS	
Develop critical thinking skills	■ ■ ■ ■ ■
Develop skills with technology	■ ■ ■ ■ ■
Build math and science skills	■ ■ ■ ■
Learn to work collaboratively	■ ■ ■
Develop communication/presentation skills	■ ■
COLLEGE AND CAREER READINESS	
Prepare for future success	■ ■ ■ ■ ■
College readiness	■ ■ ■ ■ ■
Develop life skills	■ ■ ■ ■ ■
Explore STEM career pathways	■ ■ ■ ■
Earn college credits	■ ■ ■
STEM career preparation	■ ■ ■
Prepare for high school/higher grade levels	■ ■ ■
Prepare for middle school	■ ■

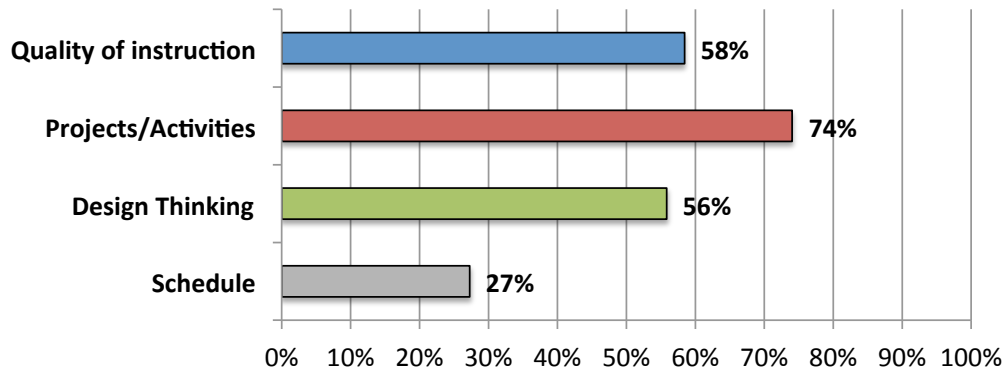
*■Elementary School; ■Middle School; ■High School



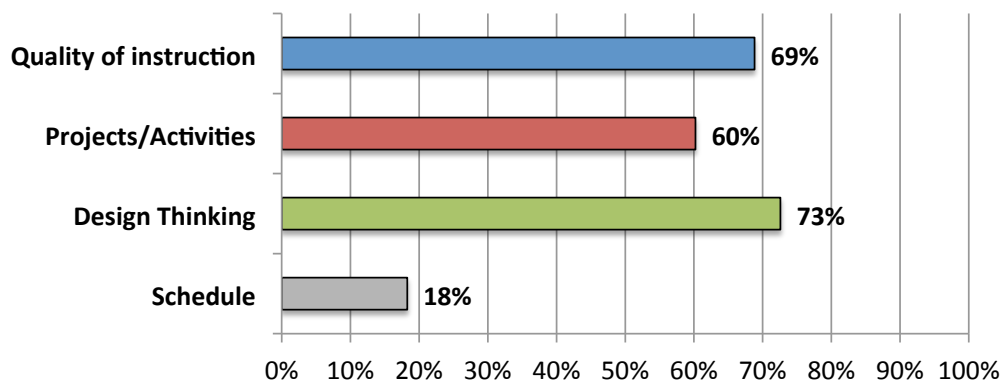


Q8: What are things you like most about [the school]?

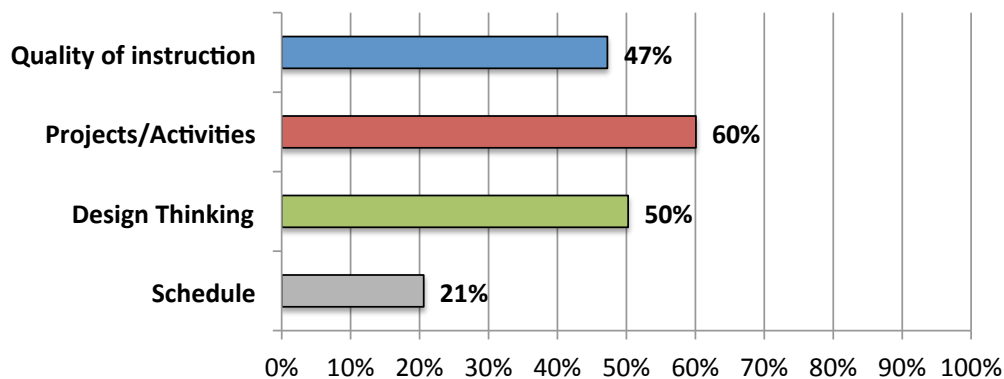
Herbert Mills (n=77)



Summit (n=186)



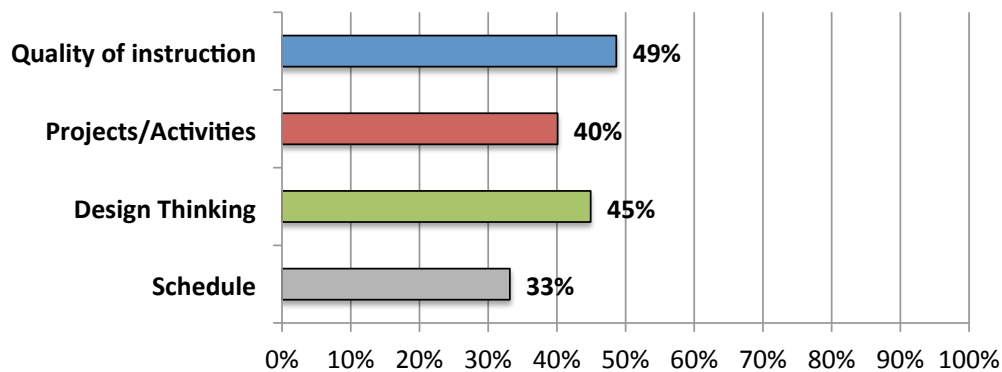
Baldwin (n=199)



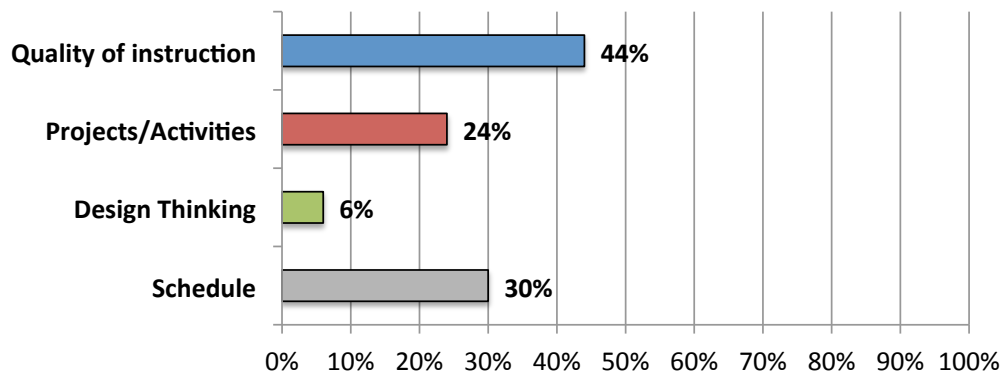


(Continued) Q8: What are things you like most about [the school]?

eSTEM (n=187)



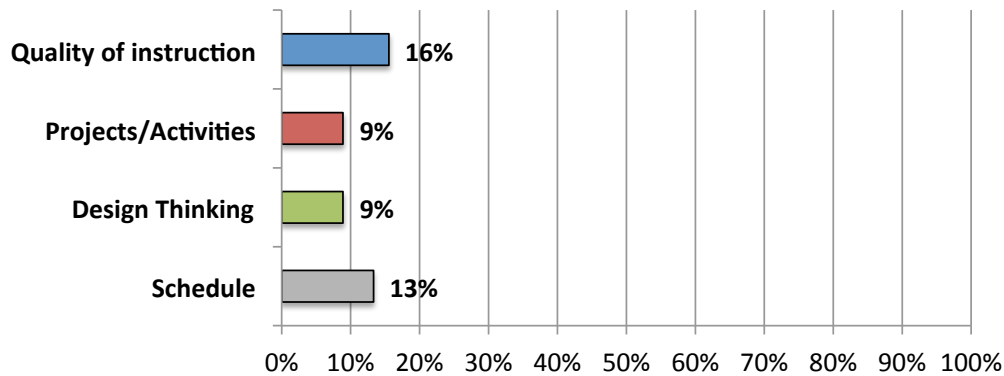
(HS)2 (n=50)



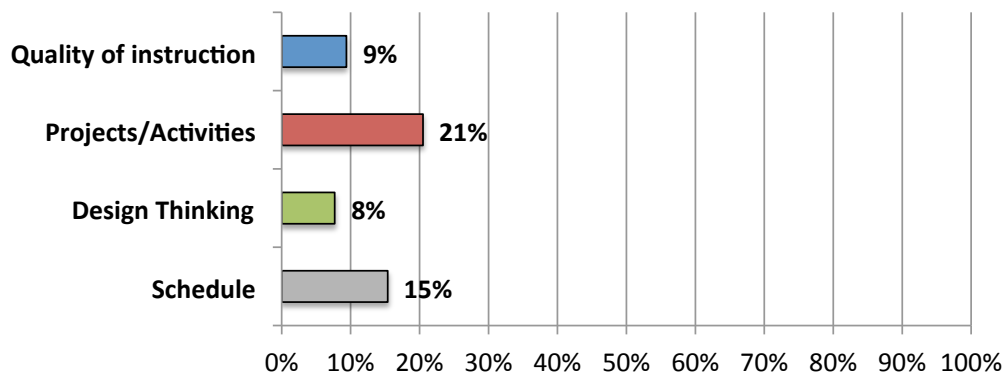


Q9: What aspects of [the school] do you like least?

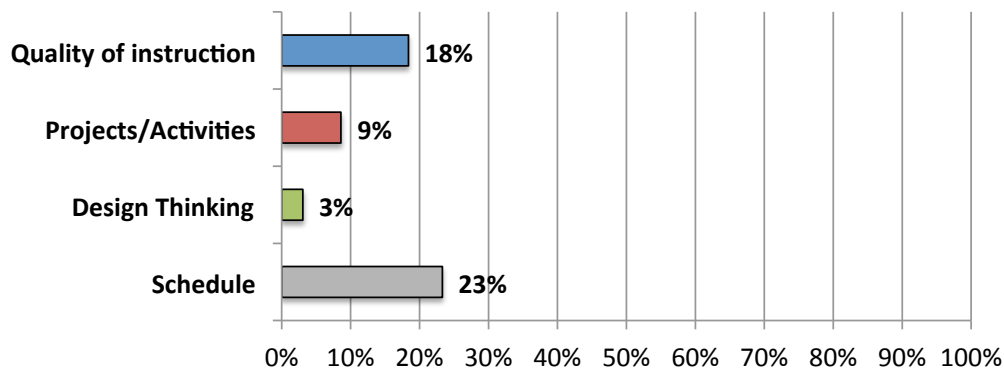
Herbert Mills (n=45)



Summit (n=117)



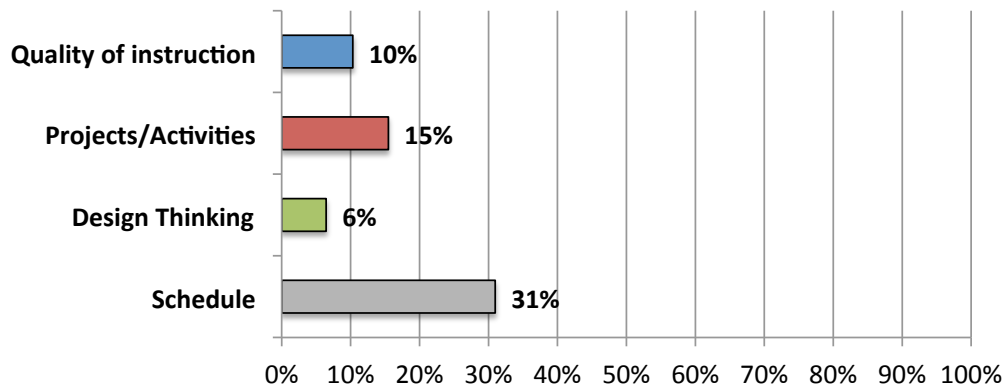
Baldwin (n=155)



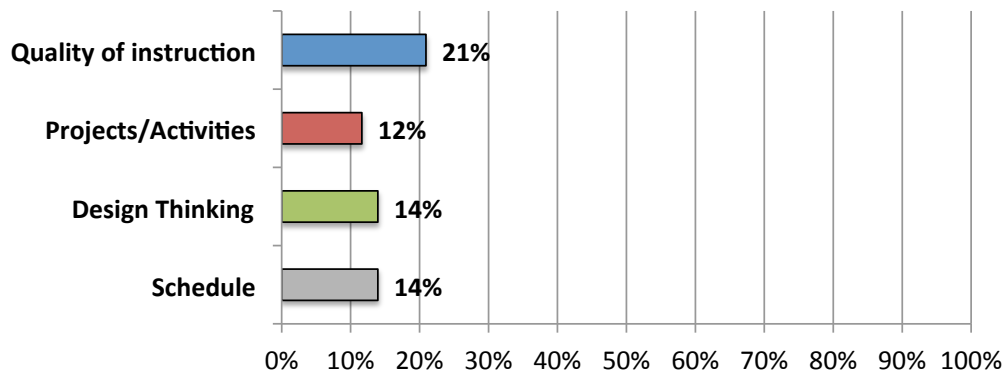


(Continued) Q9: What aspects of [the school] do you like least?

eSTEM (n=155)



(HS)2 (n=43)





Q10*: If you could ask for one improvement in the next school year, what would it be?

If you could ask for one improvement in the next school year, what would it be?	Number of Buildings** (n=5)
STUDENT SUPPORT	
Increase opportunities for hands-on learning	■ ■ ■ ■ ■
Consistency in dealing with behavioral issues/increase student accountability	■ ■ ■ ■ ■
Differentiated learning	■ ■ ■ ■
Decrease homework	■ ■ ■
Grow student skills (including life skills and social skills)	■ ■ ■
More one-on-one time with teachers/quicker teacher intervention	■ ■ ■
Increase use of technology (online classes/blended learning)	■ ■ ■
Decrease use of technology (online classes/blended learning)	■ ■
STEM induction: communication of program specifics and expectations	■
PARENT SUPPORT	
Increase timely updates regarding student performance	■ ■ ■ ■ ■
STEM induction: communication of program specifics and expectations	■ ■ ■ ■ ■
Increase opportunities for parent engagement (including holiday celebrations)	■ ■ ■ ■
Improve communication with guidance counselor	■ ■ ■
Provide non-internet communications	■ ■ ■
Address transportation issues	■ ■ ■
Streamline communication and learning platforms	■ ■
TEACHER SUPPORT	
Offer smaller class sizes	■ ■ ■ ■ ■
Improve teacher retention	■ ■ ■ ■
Improve quality of instruction	■ ■
PROGRAM ATTRIBUTES	
Address scheduling issues (start/end time; block scheduling; flexibility in academies)	■ ■ ■ ■ ■
Increase extracurricular opportunities	■ ■ ■ ■
Offer more field trips	■ ■ ■ ■
Tackle dress code issues	■ ■ ■
Improve recess options (more time outdoors; better equipment)	■ ■ ■
Improve lunch options (more time; better food choices)	■ ■
COURSE OFFERINGS	
Offer more electives (art, music, phys. ed.)	■ ■ ■ ■ ■
Offer more options within STEM curriculum	■ ■ ■ ■
Provide more choices for foreign language	■ ■ ■ ■
Provide more opportunities to earn high school/college credits	■ ■ ■
Offer more outdoor learning opportunities	■

*Q11: Herbert Mills

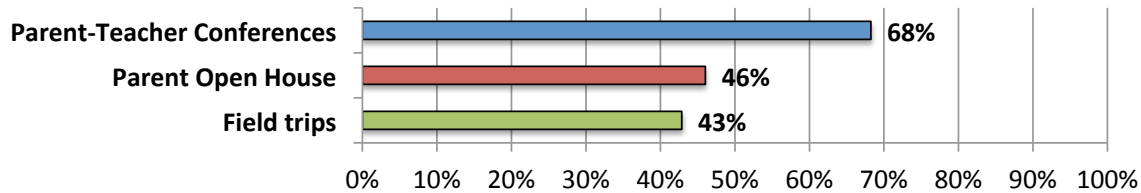
** ■ Elementary School; ■ Middle School; ■ High School



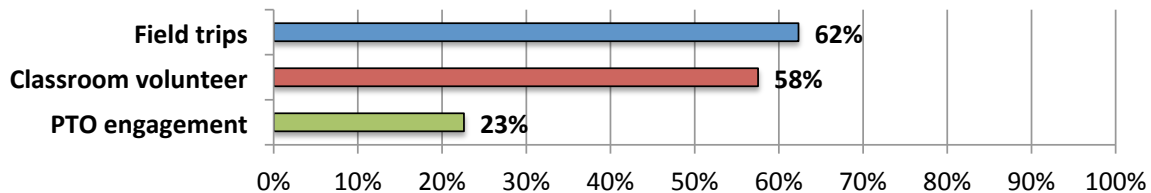


Q11*: How can you contribute to supporting or enhancing the school's goals for the coming school year?

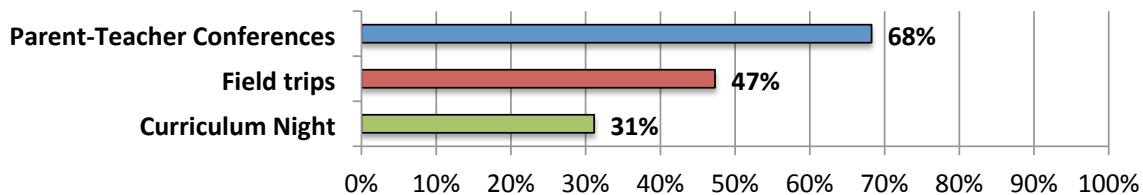
Herbert Mills (n=63)



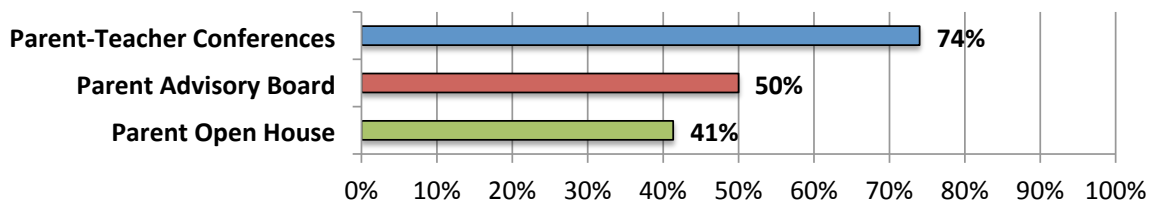
Summit (n=146)



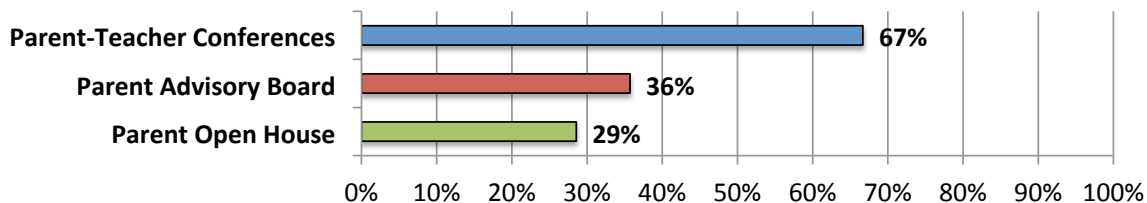
Baldwin (n=167)



eSTEM (n=150)



(HS)2 (n=42)



*Q12: Herbert Mills





Q11*: How can you contribute to supporting or enhancing the school's goals for the coming school year?

School	Total Survey Response (n)	Number of parents who want to contribute to the school's success	Response Percentage
Herbert Mills	95	63	66%
Summit	218	146	67%
Baldwin	243	167	69%
eSTEM	227	150	66%
(HS)2	65	42	65%

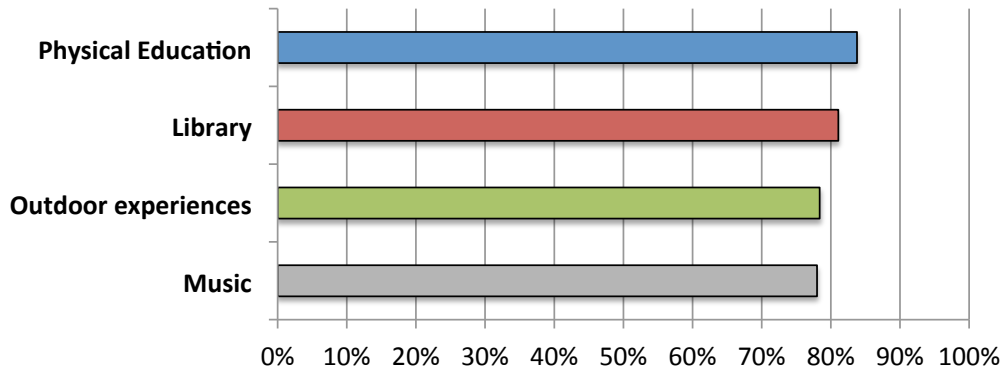
*Q12: Herbert Mills



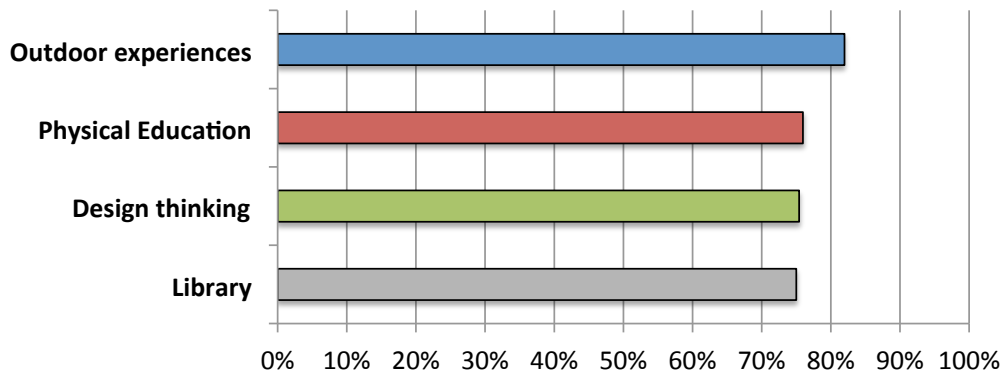


Q12*: I feel strongly about my child having the following at [the school]:

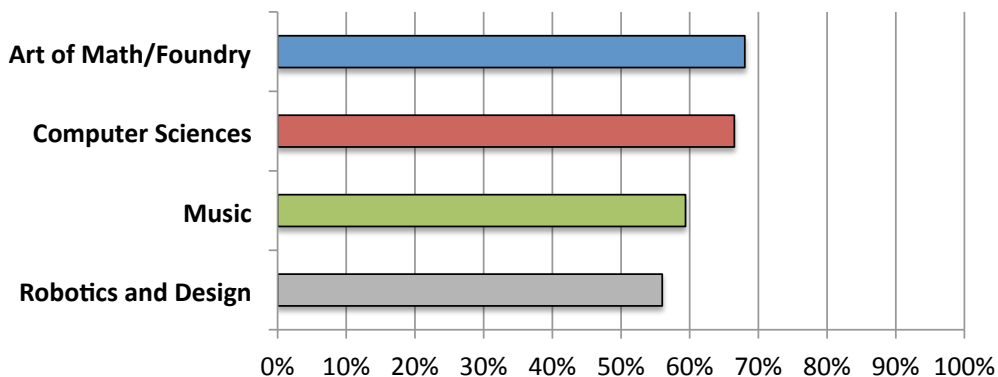
Herbert Mills (n=74)



Summit (n=183)



Baldwin (n=197)



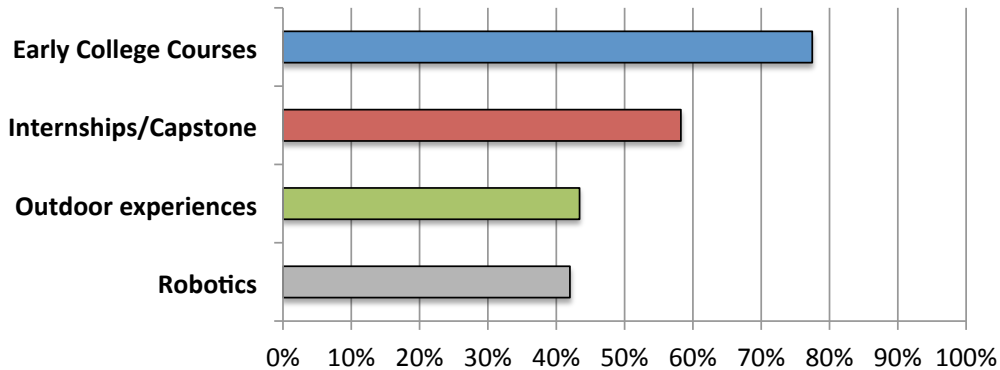
Q13*: Herbert Mills



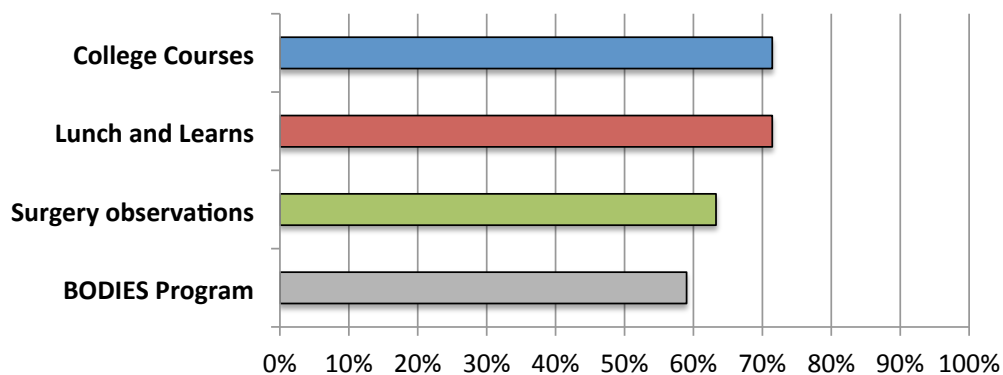


(Continued) Q12*: I feel strongly about my child having the following at [the school]:

eSTEM (n=182)



(HS)2 (n=49)

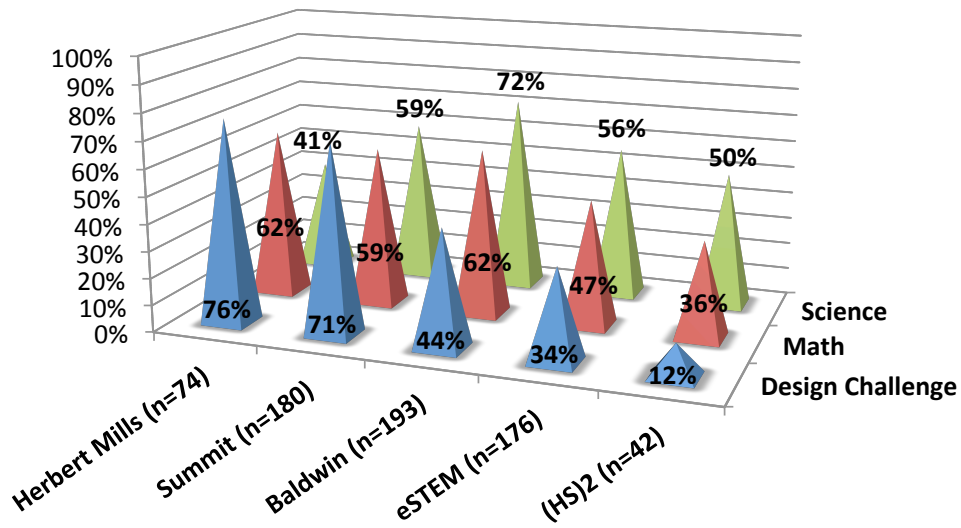


*Q13: Herbert Mills





Q13*: Where at [the school] have you seen your students engage in high-quality STEM work?



Key	
■	Design challenge
■	Math
■	Science

*Q14: Herbert Mills





Q14*: What is the best example of STEM work your student has engaged in at their school?

What is the best example of STEM work your student has engaged in at their school?	Number of Buildings** (n=5)
<p>Note: Parents listed nearly 300 specific projects, design challenges, and classes in response to this survey question. The table below organizes these survey responses into two groups: first, benefits of a STEM learning environment for "Student Growth"; and second, programmatic aspects that support exemplar STEM work.</p>	
STUDENT GROWTH	
Engagement	■ ■ ■ ■
Collaboration	■ ■ ■ ■
Presentation	■ ■ ■
Critical thinking	■ ■ ■
Writing	■ ■ ■
Life skills	■ ■ ■
Imagination/creativity	■ ■ ■
Leadership	■ ■
Research	■ ■
Confidence/independence	■ ■
Perseverance	■
PROGRAM ATTRIBUTES	
Hands-on learning	■ ■ ■ ■ ■
Learn STEM course content	■ ■ ■ ■ ■
Use of technology	■ ■ ■ ■
STEM extracurricular activities (Coding Club, Robotics, Lego League, etc.)	■ ■ ■ ■
Transdisciplinary	■ ■ ■
Inspiring teacher	■ ■ ■
Design cycle	■ ■ ■
Solving real-world problems	■ ■
Outdoor learning	■ ■
Insight to career pathways	■
Internships	■
College prep/college credits	■
Core values/habits	■

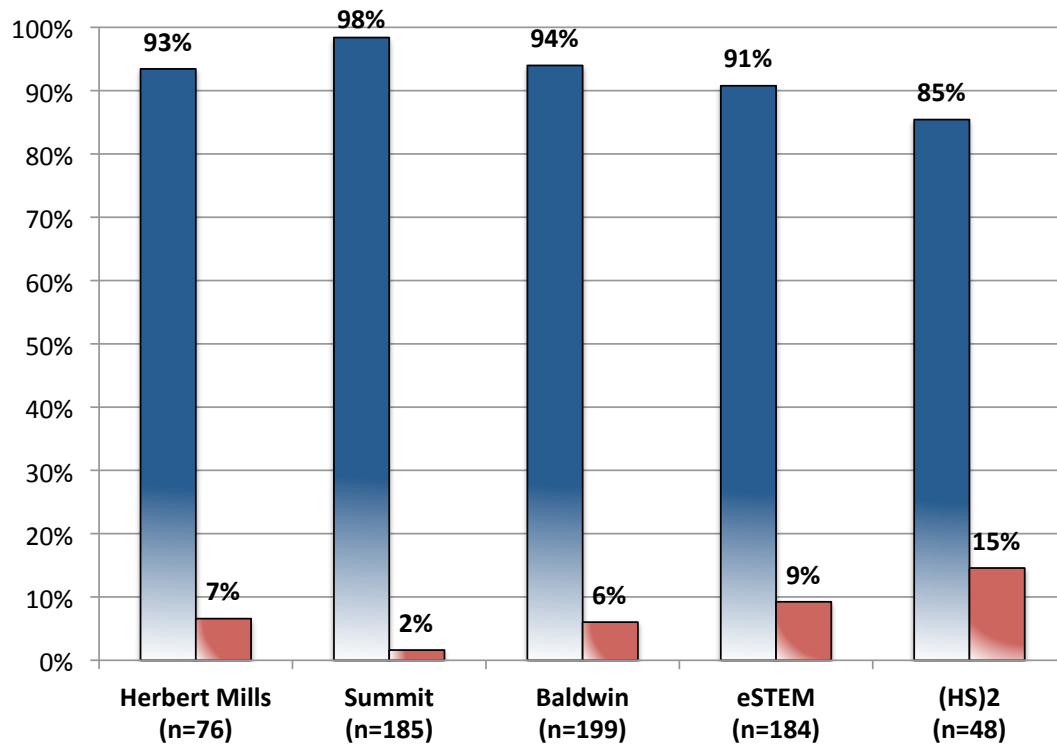
*Q15: Herbert Mills

** ■ Elementary School; ■ Middle School; ■ High School





Q15*: Would you recommend [the school] to other families?



Key	
<div></div>	Yes
<div></div>	No

*Q16: Herbert Mills





Q16*: Is there any feedback you would like to share with the school administrators about your child's experience at their school?

Is there any feedback you would like to share with the school administrators about your child's experience at their school?	Number of Buildings* (n=5)
PROGRAM ATTRIBUTES	
Scheduling: school year starts too early; longer days to allow for electives; longer lunch period; recess	■ ■ ■ ■
Class size is too big	■ ■ ■ ■
Homework too much/not relevant	■ ■ ■ ■
Technology/access to technology needs improvement	■ ■ ■ ■
Dress code is unnecessary or should be enforced	■ ■ ■ ■
More field trips	■ ■ ■ ■
BLENDED LEARNING	
Technology should support instruction, not provide instruction	■ ■ ■ ■
Blended learning is not STEM	■ ■ ■ ■
Online homework is not blended learning	■ ■ ■ ■
Students benefit from online resource	■ ■ ■ ■
LEARNING ENVIRONMENT	
Excellent/supportive staff	■ ■ ■ ■ ■ ■
Problematic issues have not been adequately addressed [bullying, conflict resolution, counseling, safety]	■ ■ ■ ■ ■ ■
Good learning environment for student growth	■ ■ ■ ■ ■ ■
Individual student needs are met/not met	■ ■ ■ ■ ■ ■
Quality has diminished	■ ■ ■ ■ ■ ■
Staff needs improvement/accountability	■ ■ ■ ■ ■ ■
Teachers are overworked	■ ■ ■ ■ ■ ■
Students need more support/after school tutoring	■ ■ ■ ■ ■ ■
Instability with staff and program	■ ■ ■ ■ ■ ■
Enjoy school-related gatherings [dances, game nights etc.]	■ ■ ■ ■ ■ ■
More college in high school/less college in high school	■ ■ ■ ■ ■ ■
School has potential	■ ■ ■ ■ ■ ■
STEM IMPLEMENTATION	
Expectation of integrated STEM learning environment not met	■ ■ ■ ■ ■ ■
Staff needs more training in STEM/PBL	■ ■ ■ ■ ■ ■
Communication with parents needs improvement/needs to be streamlined	■ ■ ■ ■ ■ ■
Wider variety of STEM classes would be beneficial	■ ■ ■ ■ ■ ■
Teaching to the test	■ ■ ■ ■ ■ ■
Parents need resources to help their children [textbooks, instructions]	■ ■ ■ ■ ■ ■
Parents would like to be more engaged	■ ■ ■ ■ ■ ■
Students should be engaged in more community building experiences	■ ■ ■ ■ ■ ■
Need a better transition/integration to next level school	■ ■ ■ ■ ■ ■
Parents need more information about STEM	■ ■ ■ ■ ■ ■
STEM pathway is too restrictive	■ ■ ■ ■ ■ ■
Not enough STEM collaboration	■ ■ ■ ■ ■ ■
STUDENT LEARNING	
Student is engaged	■ ■ ■ ■ ■ ■
Student accountability needs to be addressed	■ ■ ■ ■ ■ ■
Would like a wider variety of non-STEM classes [arts, music, options for foreign language]	■ ■ ■ ■ ■ ■
School is challenging for students	■ ■ ■ ■ ■ ■
Student engagement has decreased	■ ■ ■ ■ ■ ■
Student learning is not a priority	■ ■ ■ ■ ■ ■
Students should not have to teach themselves	■ ■ ■ ■ ■ ■
Create more opportunities for recognition/celebration of learning	■ ■ ■ ■ ■ ■

*Q17: Herbert Mills

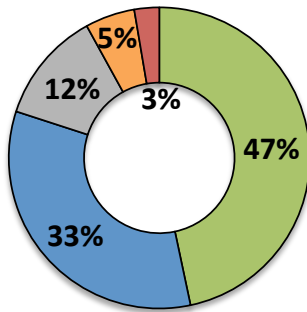
**■Elementary School; ■Middle School; ■High School



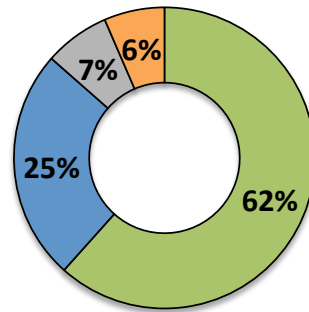


Q17*: Do you feel that your child's teachers communicate with you on a regular basis regarding what is happening in their classes?

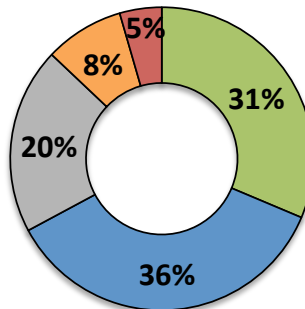
Herbert Mills (n=75)



Summit (n=185)

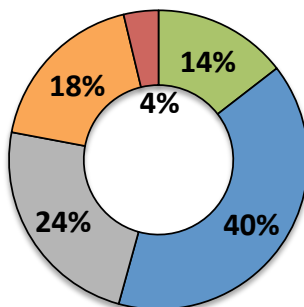


Baldwin (n=201)

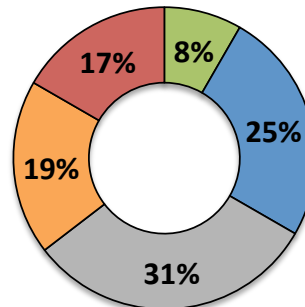


Key	
■	Strongly agree
■	Agree
■	Neutral
■	Disagree
■	Strongly disagree

eSTEM (n=186)



(HS)2 (n=48)



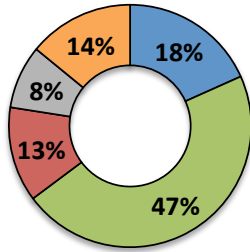
*Q18: Herbert Mills



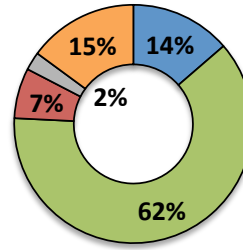


Q18*: If you would like more information about what's happening in your child's classrooms, how often would you like the teachers to communicate with you?

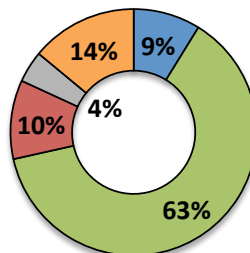
Herbert Mills (n=71)



Summit (n=161)

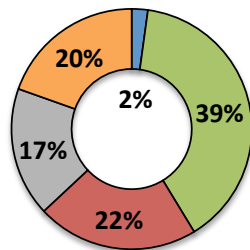


Baldwin (n=193)

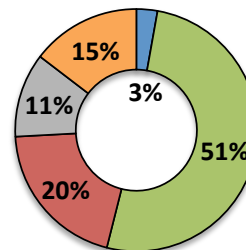


Key	
	Daily
	Weekly
	Bi-weekly
	Monthly
	"If other"

(HS)2 (n=46)



eSTEM (n=178)



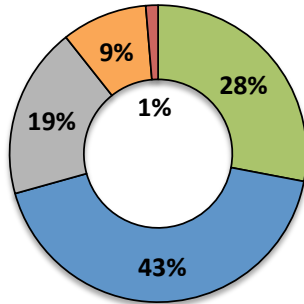
*Q19: Herbert Mills



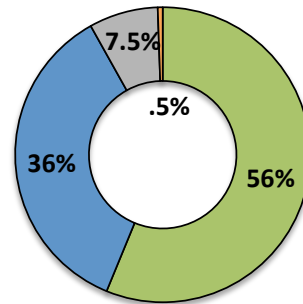


Q19*: Do you feel that Administrative staff at [the school] communicates with you on a regular basis regarding what is happening at the school?

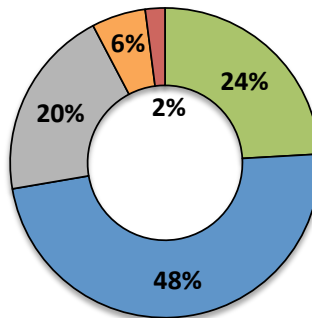
Herbert Mills (n=75)



Summit (n=185)

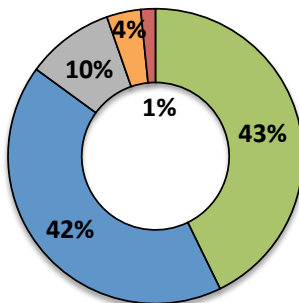


Baldwin (n=165)

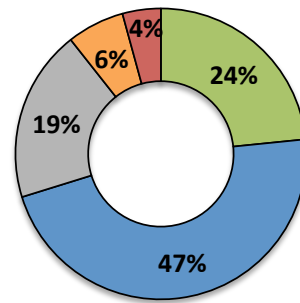


Key	
■	Strongly agree
■	Agree
■	Neutral
■	Disagree
■	Strongly disagree

eSTEM (n=187)



(HS)2 (n=47)

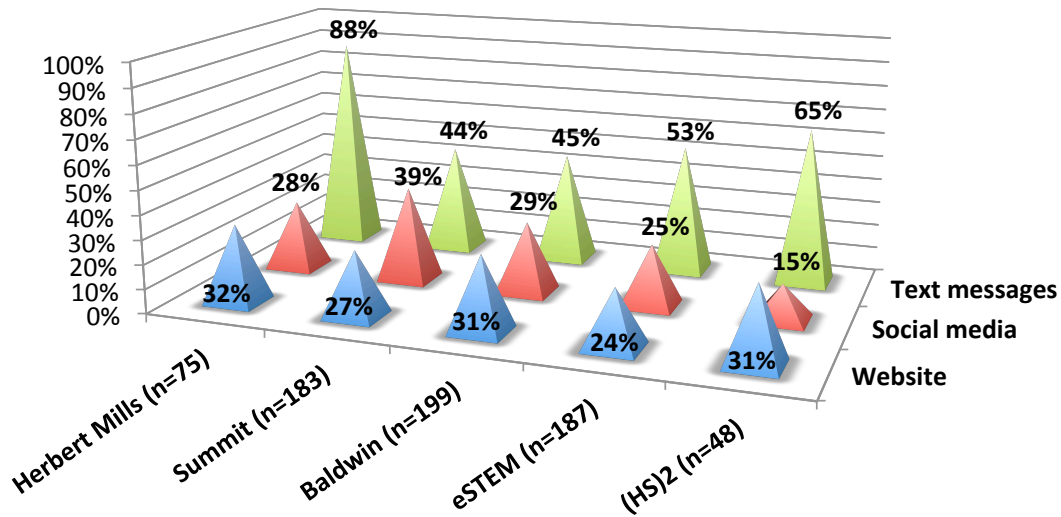


*Q20: Herbert Mills





Q20*: What is your preference for communication from the school administrators?



Key	
■	Website
■	Social media
■	Text messages

*Q21: Herbert Mills

Note: Respondents were given the options of selecting Twitter and Facebook on all five parent surveys. The two options were combined and are presented in this chart as "Social media."

