



LINCOLN  
**EMPOWERED**<sup>™</sup>

Course Catalog

## One Curriculum. Multiple Solutions.

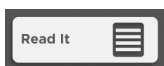
Whether you are looking to supplement your existing classroom offerings or establish a full virtual program, Lincoln Empowered adapts to any classroom setting. Featuring more than 170 core, elective, and credit recovery courses, our online curriculum provides a bevy of essential and specialty selections that may be delivered synchronously or asynchronously, eliminating the barriers of time, space, and limited resources. No matter how you choose to implement our curriculum solutions, you can depend on our thoughtful products, industry expertise, and driven personnel to actualize your vision and maximize your students' performance and content mastery.

## Thoughtful Construction

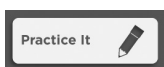
All Lincoln Empowered courses are created with the same research-based principles and learning design in mind. This meticulous process results in a predictable learning routine for your students that seamlessly blends instruction, media, validated assessment items, and best-in-class technology. With its intuitive design, our curriculum limits technology "noise," enabling students to focus solely on course content and establish their own dynamic learning patterns.

## Flexible Framework Powered by Learning Objects

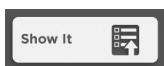
All Lincoln Empowered courses are constructed of standards-aligned, autonomous, bite-sized learning objects. Various learning object modalities are used in each lesson, giving students multiple ways to engage with, understand, and demonstrate mastery of the content. This flexible framework of educational building blocks allows you to personalize and extend learning for your students and meet the performance needs of your district. The digital delivery and design of Lincoln Empowered makes customization for district curriculum mappings and alignment to state standards simple.



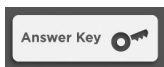
**Read Its** are the primary learning tools within a course. Each Read It provides the essential instructional content to support a specific learning objective. Each Read It has an accompanying Show It.



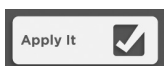
**Practice Its** provide the opportunity for students to practice new skills and concepts. These possess online and offline activities and problem sets. Answers are provided within the learning object.



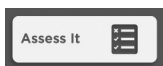
**Show Its** are non-graded activities that allow students to demonstrate mastery of a specific learning objective. Teachers can elect to make these gradable. Each Show It has an accompanying Answer Key.



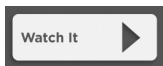
**Answer Keys** are available for each of the Show Its and Apply Its. They provide correct answers and detailed feedback. If teachers make a Show It or Apply It gradable, the Answer Key can be hidden from the students.



**Apply Its** are assessments that cover content from multiple lessons. Apply Its can be cumulative projects that allow students to demonstrate mastery of several learning objectives and standards. Teachers can elect to make these gradable. Each Apply It has an accompanying Answer Key.



**Assess Its** are graded assessments that allow students to demonstrate mastery. These appear as online auto-graded and uploaded teacher-graded assessments. Mastery Assess Its are larger, topic-based online assessments. These include question types such as multiple choice, multiple answer, ordering, matching, and essay.



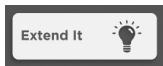
**Watch Its** contain engaging videos to support the lesson content and enhance the student learning experience.



**Play Its** contain exciting games to reinforce skills and are aligned to one or more standards.



**Reinforce Its** are designed to reinforce specific concepts and skills. These objects provide an alternative approach to learning.



**Extend Its** are designed to help students extend their knowledge in specific content areas.

## Differentiated Learning Pathways

The multimodal approach of Lincoln Empowered allows your students to decide for themselves which learning pathways are most effective. If comprehending the Read It lesson text proves challenging, students can explore corresponding Watch It videos or Play It games to reinforce their understanding of the concept(s). Best of all, the flexibility of our curriculum permits content from lower grades to be pulled up for students who require additional support or from other courses to be pulled in for students who crave external challenges, enabling you to further tailor your students' learning and better ensure they are meeting learning standards.

## Dynamic Online Activities

Combining rich online media with tactile offline activities, our curriculum emphasizes and reinforces learning content in an engaging, consistent manner. Developed by experienced educators, Lincoln Empowered courses promote activities that incorporate real-life scenarios and offer opportunities for critical thinking. Our instructional videos prepare and inspire your students to learn, while our interactive games give them fun ways to master challenging concepts.

## Intuitive Online Tools

Lincoln Empowered learning objects boast innovative, user-friendly digital features, including a text reader, an extensive language translator, highlighting capabilities, and an advanced notetaking tool. Combined with our flexible learning management system, these features allow students – including those with disabilities – and their families to consume, navigate, annotate, and translate course content all day.

NOTES

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# ELEMENTARY COURSES – GRADES PreK-5

## English

### English Language Arts PreK

Credit: 1

English Language Arts PreK provides a strong foundation for emergent readers and writers, preparing them for Kindergarten. This course focuses on the alphabet - letter recognition, sound recognition, and beginning writing skills of uppercase and lowercase letters. Students will recognize rhyming words and beginning sounds of words, and they will begin to blend sounds to make three-letter words. As students become more familiar with the letters of the alphabet, they will begin to develop fundamental book skills, which include making the connection that letters form the words in books. In addition, they will begin handling books properly, sequencing events from stories, and recognizing characters and settings. English Language Arts PreK also places a large focus on advancing the speaking and listening skills of the Early Kindergarten student to develop the communication abilities of a good learner. This course was developed with the parent and Early Kindergarten teacher in mind, providing the opportunity for the Early Kindergarten student to thrive in either the school or home environment.

#### Course Topics

- The Alphabet • Speaking & Listening • Sequencing of Events • Story Elements
- Pictures & Texts • Parts of a Book • Emergent Writing

### English Language Arts K

Credit: 1

English Language Arts K encompasses reading, writing, speaking, spelling, and listening skills for students who are emerging learners. This course places a heavy emphasis on the alphabet, as students learn letter names and both uppercase and lowercase letters. Students also learn letter sounds and how to articulate and blend those sounds. English Language Arts K focuses on building reading skills through the use of high-frequency sight words: common prepositions, nouns, verbs, and adjectives. Through grade-level appropriate readings, students explore story elements and the ways in which pictures relate to text. They also learn to summarize a text and compare and contrast characters, events, and ideas within texts. This course teaches foundational grammar and writing skills, including proper capitalization, spacing between words, and sentence punctuation. Students learn to print words and write complete sentences. Interactive activities throughout the academic year help students to develop their speaking and listening skills as well. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

#### Course Topics

- The Alphabet • Phonemic Awareness • Vocabulary • Reading Fluency
- Interpretation of Texts • Pictures & Texts • Story Elements • Compare & Contrast
- Parts of a Book • Opinions • Summarizing • Computer Skills
- Grammar & Punctuation • Writing • Speaking & Listening

## English Language Arts 1

Credit: 1

English Language Arts 1 focuses on developing reading, writing, spelling, speaking, and listening skills. In this course, students begin to understand that spoken and written language can be broken into phonemes. They use rhyming, blending, and segmenting to develop the foundation needed to become an emergent reader. Students read prose, poetry, and informational texts for comprehension. They learn to interpret the ways in which stories and poems appeal to the senses and identify the main topic and key ideas within texts. Students increase their vocabulary by learning to use morphemic and contextual analysis to determine the meaning of unknown words. Students learn to spell new words using various spelling rules. In English Language Arts 1, students hone their writing skills by practicing grammar rules for noun usage, personal possessive and indefinite pronouns, verb tenses, capitalization, commas, and end punctuation. In doing so, they learn to produce and expand sentences and write opinion pieces, informational pieces, and narratives. This year, students begin learning how to research information and use their research to answer questions. They identify and use various parts of a book such as headings and the table of contents. They also use digital tools to publish their writing. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### Course Topics

- Phonological Awareness • Phonics • Fluency • Comprehension • Spelling
- Vocabulary • Interpretation of Texts • Story Elements • Compare & Contrast
- Parts of a Book • Summarizing • Computer Skills • Grammar & Punctuation
- Sentences • Speaking & Listening • Writing • Research

## English Language Arts 2

Credit: 1

Reading, writing, spelling, speaking, and listening are the central concepts covered in English Language Arts 2. This year, students begin to transition from learning to read to reading to learn. In this course, students continue to develop their phonemic awareness by learning to recognize word families, word origins, and irregularly spelled words. They also begin to use linking words to connect opinions and reasons and temporal words to signal the order of events. While reading, students work to distinguish fact from opinion, decipher an author's purpose, and identify the main topic of a multi-paragraph text. Students sample multiple genres of literature, including fiction, nonfiction, poetry, folktales, and fables, while exploring story elements such as plot, setting, characterization, and the author's point of view. They also learn to distinguish between the main idea and the theme of a story. Students develop their writing skills by composing narrative, argumentative, and informative essays as well as creative writing pieces. Additionally, they practice their research skills by finding facts in multiple sources and using them to produce a report. Students use a dictionary to reinforce phonetic punctuation and spelling and identify words with multiple meanings. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### Course Topics

- Phonemic Awareness • Vocabulary • Reading • Interpretation of Texts
- Story Elements • Compare & Contrast • Parts of a Book • Genres of Literature
- Summarizing • Computer Skills • Grammar & Punctuation • Speaking & Listening
- Writing • Research Skills • Dictionary Skill

## English Language Arts 3

Credit: 1

English Language Arts 3 focuses on expanding students' reading, writing, spelling, speaking, and listening skills. In this course, students read more complex texts and write to express themselves with greater sophistication. They practice reading at a natural pace while using intonation and expression appropriately. While reading, they interpret texts in increasingly complex ways by identifying cause and effect, determining tone and mood, and distinguishing shades of meaning in figurative language. This course introduces students to new genres, including opinion pieces, biographies, and blogs, while they continue to work with narratives, fiction, and informational texts. An emphasis is placed on grammar, punctuation, and spelling as students explore the functions of nouns, pronouns, verbs, adjectives, and adverbs; categorize nouns; explain the differences between various verb tenses; write simple, complex, and compound sentences; and use capitalization, commas, and quotation marks correctly. They learn the spelling of words with various prefixes and suffixes; regular and irregular nouns, verbs, and adjectives; and contractions, compound words, homophones, and words with various vowel sounds. Students develop their speaking and listening skills by planning, writing, and delivering an oral presentation and creating visual aids to accompany the presentation. This course also introduces students to new forms of writing such as scripts, autobiographies, and outlines. They practice drafting and revising their writing through the development of journal entries, short stories, opinion pieces, and narratives. Students expand their research skills by learning to take notes while researching and organizing their notes into categories. They also gather information using both print and electronic sources. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### Course Topics

- Vocabulary • Spelling • Reading • Interpretation of Texts • Story Elements
- Vocabulary • Compare & Contrast • Genres of Literature • Summarizing
- Computer Skills • Grammar & Punctuation • Speaking & Listening • Writing
- Research Skills • Dictionary Skills

## English Language Arts 4

Credit: 1

Students in English Language Arts 4 focus on expanding their reading, writing, spelling, speaking, and listening skills, with a heavy emphasis on solidifying their writing skills. They use narrative, descriptive, opinion, persuasive, and informative pieces to learn to state ideas, facts, and opinions clearly while correctly using introduction, body, and conclusion paragraphs. Students create a plan for writing, revise and edit their work, and improve their writing using feedback from an adult. Through their writing, they continue to master the conventions of English grammar, including quotations, relative pronouns, progressive verb tenses, modal auxiliaries, prepositional phrases, antecedents, coordinating conjunctions, compound sentences, capitalization, and punctuation, while avoiding sentence fragments and run-on sentences. They learn to spell words with a wide variety of prefixes and suffixes in addition to homophones, possessives, compound words, and words with silent letters. While reading, students identify, describe, and analyze story elements and compare and contrast these elements in stories, myths, and literature from various cultures. Students further develop their research skills by conducting short research projects, taking notes during research, and creating bibliographies. They develop more concrete speaking skills by creating and delivering presentations on various topics. In addition, students create audio recordings and visual aids to supplement their



presentations. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### Course Topics

- Phonics & Word Recognition • Vocabulary • Spelling • Reading
- Interpretation of Texts • Story Elements • Compare & Contrast • Genres of Literature
- Summarizing • Computer Skills • Grammar & Punctuation • Speaking & Listening
- Writing • Research Skills • Presentation Skills • Reference Books

## English Language Arts 5

Credit: 1

In English Language Arts 5, students solidify their foundational skills in reading, writing, spelling, speaking, and listening. Students read a variety of texts this year, including fiction, nonfiction, and informational texts. They identify the author's purpose in multiple forms of writing such as descriptive, expository, technical, persuasive, and narrative passages. Through these texts, they learn to make inferences and analyze multiple accounts of the same event. They also identify, interpret, and compare similes, metaphors, and idioms used in writing and learn to draw a plot diagram and identify common themes in literature. This year, students write a five-paragraph essay and an effective thesis statement. They follow the writing process to develop essays, create outlines to organize their ideas, and revise and improve their original draft. Students also write a persuasive letter, a speech, and a script. This course teaches and reinforces spelling rules such as i before e while also focusing on the spelling of words ending in a silent e, commonly misspelled words, and words with multiple syllables. Students sharpen their research skills by learning to use notecards for research, gathering information about the same topic from multiple sources, and understanding plagiarism and the importance of writing in their own words. They also practice citing sources by creating a bibliography. Students enhance their presentation skills by reporting on a text or topic, telling a story, retelling an experience, or presenting an opinion in an organized way while using facts and details to support the main idea. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### Course Topics

- Phonics & Word Recognition • Vocabulary • Spelling • Reading
- Interpretation of Texts • Story Elements • Compare & Contrast • Genres of Literature
- Summarizing • Computer Skills • Grammar & Punctuation • Speaking & Listening
- Writing • Research Skills • Presentation Skills • Reference Books

## Mathematics

### Mathematics PreK

Credit: 1

Mathematics PreK introduces students to mathematical concepts, allowing them to discover that mathematics is a part of everyday life. The course focuses on rote counting, identifying numbers to 20, and classifying and identifying shapes and colors. Students begin to develop patterning skills, graphing skills, and the ability to sort items based on characteristics. Throughout this course, students develop a foundation for basic addition and subtraction and begin to compare quantities. This course was developed with the parent and Early Kindergarten teacher in mind, providing the opportunity for students to thrive in either the school or home environment.

### **Course Topics:**

- Identification of Numbers • Rote Counting • Shape Identification & Classification
- Writing & Representing Numbers • Sorting • Comparing Quantities
- Creating & Completing Patterns • Addition & Subtraction

## **Mathematics K**

**Credit: 1**

In Mathematics K, students explore the world of mathematics all around them. They begin to develop foundational mathematics skills such as number identification and recognition and rote counting to 100 by memory. They learn the difference between more than and less than and explore the ways in which numbers are broken down into various components. Students compare measurements such as longer and shorter and heavier and lighter. They begin to develop problem-solving skills as they engage with simple addition and subtraction equations and word problems. Finally, students are introduced to basic geometry and learn the names and basic attributes of shapes. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### **Course Topics:**

- Number Identification • Rote Counting • Representing & Writing Numbers
- Comparing Numbers & Quantities • Comparing Measurements • Problem Solving
- Addition & Subtraction • Breaking Down Numbers
- Basic Geometry

## **Mathematics 1**

**Credit: 1**

In Mathematics 1, students begin to learn mathematics in a more formal way. They focus on rote counting to 120 and practice reading and writing these numbers. In addition to strengthening their addition and subtraction skills, they compare two-digit numbers based on place values and use the comparison symbols for greater than, less than, or equal to. Students measure lengths and use measurements to compare the lengths of multiple objects. They strengthen their geometric skills by drawing two-dimensional and three-dimensional shapes, and they explore fractions by dividing those shapes into halves and quarters. Students also organize, represent, and interpret data in pictures, tables, and charts, and they tell and write times in hours and half hours. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### **Course Topics:**

- Rote Counting • Numbers • Word Problem Solving • Addition • Subtraction
- Place Value • Length • Time • Geometry • Fraction Sense • Data

## **Mathematics 2**

**Credit: 1**

In Mathematics 2, students begin to develop the skills to solve problems mentally and explain how they solved a problem aloud or through writing. They learn to count to 1,000 and identify even and odd numbers. Students discover multiple strategies for adding and subtracting numbers and determine which strategies work best for various problem types. They work with number lines and use them to represent whole numbers and their sums and differences. In this course, students expand their knowledge of place value to include thousands and use this concept to

compare numbers. They use standard units of measurement to express the length of objects in inches, feet, centimeters, and meters. Mathematics 2 introduces digital and analog time and presents students with word problems involving money. In addition to learning monetary values, students also learn to use the dollar and cent symbols appropriately. Students deepen their understanding of geometric shapes while exploring fractions by dividing shapes into halves, thirds, and fourths. They are introduced to new ways of representing data, including line plots, picture graphs, and bar graphs. This course uses mathematics manipulatives to help students visualize problems. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

**Course Topics:**

- Rote Counting • Numbers • The Number Line • Addition & Subtraction
- Word Problem Solving • Place Value • Length • Time • Money • Geometry
- Fraction Sense • Data

## **Mathematics 3**

**Credit: 1**

Students in Mathematics 3 focus on multiplication and division, as this course aims to build strong foundational skills in these areas. Students explore the relationship between multiplication and division and practice using the order of operations to solve problems, including one- and two-step word problems. In addition to using place value to perform multi-digit arithmetic, students round numbers to the nearest ten or hundred. They refine their mathematics skills in relation to money by making change using a combination of bills and coins. Mathematics 3 presents area and perimeter to students as they explore linear and area measurements. They also work with fractions as numbers in this course, representing them on number lines, generating equivalent fractions, and comparing fractions with the same numerator and denominator. Finally, students explore the ways in which various types of data can be displayed.

**Course Topics:**

- Operations • Word Problems • Place Value • Time • Money
- Geometry & Measurement • Data

## **Mathematics 4**

**Credit: 1**

In Mathematics 4, students refine their skills in the areas of place value, measurement, geometry, fractions, and decimals. They use the order of operations to solve problems with whole numbers up to 1 million, and they explore factors and multiples ranging from 1 to 100. Students use equations, arrays, and area models to explain multiplication calculations. They compare multi-digit whole numbers, fractions, and decimals using the symbols for greater than, less than, and equal to. Students practice converting measurements such as feet to inches, and they use their understanding of size to determine whether measurements are reasonable answers to problems. Mathematics 4 introduces students to the protractor, which they use to measure angles in whole number degrees. Students learn to identify right triangles, and they sketch angles, lines, segments, and rays. Students look closely at fractions and decimals in this course by writing equivalent fractions, ordering fractions from least to greatest, comparing fractions with different numerators and denominators, and writing fractions as decimals and vice versa.

### **Course Topics:**

- Operations • Word Problems • Place Value • Measurement • Money • Geometry
- Data • Fractions & Decimals

## **Mathematics 5**

**Credit: 1**

Mathematics 5 focuses on developing students' mathematics skills and problem-solving strategies. Problems and activities are designed to get students reasoning abstractly and quantitatively, constructing arguments, and modeling with mathematics. In this course, students add, subtract, and multiply fractions, divide fractions by whole numbers, and divide whole numbers by fractions. They perform multiple operations with decimals in addition to comparing, ordering, and rounding them. They use exponents to denote powers of 10. Students are introduced to volume and how to calculate it, and they learn to classify two-dimensional shapes into categories. They also graph data on a plot line and the coordinate plane, using graphs to solve real-world and mathematical problems.

### **Course Topics**

- Place Value & Operations • Multiply & Divide Whole Numbers • Decimal Operations
- Fraction Operations • Expressions & Equations • Patterns & Graphing • Measurement
- Geometry • Volume • Data Analysis

## **Science**

### **Science PreK**

**Credit: .5**

Science PreK provides students with a foundation for scientific learning. The course emphasizes making predictions and then testing the predictions to determine the reality of the solution. Students test predictions on a number of topics including changes in matter, variations of light and sound, and activities involving the five senses. Students also explore living things, motion and energy, and technology. This course was developed with the parent and Early Kindergarten teacher in mind, providing the opportunity for the Early Kindergarten student to thrive in either the school or home environment.

### **Course Topics:**

- Changes in Matter • Living Things • Motion & Energy • Light & Sound

### **Science K**

**Credit: . 5**

Science K introduces emerging learners to the knowledge and skills that will help them discover and understand the natural world around them. In this course, students learn to formulate questions, predict, and experiment. They use basic scientific tools such as a magnifying glass, a balance scale, and a thermometer to make observations and draw on those observations to identify causes and effects and communicate their findings. In so doing, students distinguish between factual statements and opinions. They deploy their observational skills to describe animals and plants, their behavior, and their environments. Students explore weather patterns and seasonal changes. They also discover the characteristics of matter, including states of matter (solid,

liquid, gas), and force, including the difference between a push and a pull. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### **Course Topics**

- Animals & Plants • Weather & Seasons • Properties of Matter • Force • Science Skills
- Research Skills • Facts & Opinions • Scientific Tools • Cause & Effect

## **Science 1**

**Credit: . 5**

Science 1 extends students' exploration of the natural world. Along the way, they practice making predictions and observations, experimenting, and using scientific tools and problem-solving skills. In this course, students investigate ecosystems and habitats, identifying the five basic needs of all living things, the importance of natural resources, and the interactions of human beings and the environment. They examine the agricultural system and its products and by-products. This course also introduces the water cycle and the Earth as a body in space. Students observe matter and describe its properties and states, and they discover the properties of light and sound. The study of force and motion enable them to define the terms and explain the effect of different amounts of force and also how moving objects stop. Finally, students develop their ability to distinguish fact from opinion and recognize the relation of cause and effect. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### **Course Topics**

- Water • Living Things • Natural Resources • Environment • Agriculture
- Space Systems • Light & Sound • Matter • Force & Motion • Facts & Opinions
- Cause & Effect

## **Science 2**

**Credit: .5**

Science 2 encourages students to make sense of the world around them by observing and experimenting. Through focused readings and hands-on activities, students explore matter, energy, and physical and chemical changes. They study interdependence in ecosystems such as the role of bees in pollination and the use and conservation of natural resources. They look beyond food production to the broader purposes of agriculture to recognize the importance of local farms to human society. Students examine the water cycle — including evaporation and condensation — and the life cycles of such living things as frogs, butterflies, and plants. They research topics and formulate questions, make predictions, and then use scientific tools to observe and measure their experiments. By distinguishing fact from opinion and recognizing patterns and cause and effect, students develop the ability to make inferences and communicate their findings. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### **Course Topics**

- Ecology • Water • Living Things • Natural Resources • Agriculture
- Properties of Matter • Physical & Chemical Changes • Facts & Opinions
- Scientific Tools • Cause & Effect

## Science 3

Credit: 1

Science 3 guides students on an exploration of the natural world, its animals, its plants, and its terrain. They learn how clouds form, what causes the cycles of seasons and of day and night on Earth, and that light and sound are actually energy. Students examine the Earth's eight major biomes and identify how adaptations help plants and animals to survive varying conditions. Students become junior meteorologists and learn to explain weather and climate, and they use weather instruments and knowledge of patterns to observe and predict the weather. They also learn to recognize the information fossils can provide about the Earth's past, using geologic time scales to identify the eras when fossilized organisms lived. They explore the ways in which chemical reactions can change the properties of matter, and they investigate energy, magnetism, and electricity. Finally, students research topics and formulate questions, make predictions and observations, experiment and measure using scientific tools, and draw inferences and identify patterns based on their scientific inquiries. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### Course Topics

- Ecology • Weather & Climate • Earth Science • Agriculture & Natural Resources
- Space Science • Energy, Force, & Motion • Properties of Matter
- Physical & Chemical Changes • Light • Magnetism & Electricity

## Science 4

Credit: 1

Science 4 lays a foundation for future excellence in the STEM fields by introducing technology and engineering concepts such as simple and complex machines and the steps of the engineering design process. This course encourages students to become innovative problem-solvers, equipped with the skills and knowledge necessary to address 21st-century issues. Students explore the technical and sometimes surprising facts behind the things they see and experience every day. They expand their knowledge and understanding of topics in the areas of physics, chemistry, Earth science, ecology, biology, and space science. Students investigate genetics and the physical characteristics of living things, ecosystems and extinction, agriculture and sustainable resources, and pollution and recycling. They explore the Earth's landforms and the types of rocks and soil found on Earth. They extend their learning beyond their own planet to the solar system and the Milky Way. Finally, students encounter important concepts in physics, such as the types and properties of waves, and in chemistry, such as atoms, molecules, and the conservation of mass. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### Course Topics

- Biology • Ecology • Agriculture • Natural Resources • Earth Science • Space Science
- Chemistry • Physics • Technology & Engineering • Science Process Skills
- Research Skills • Scientific Tools

## Science 5

Credit: 1

Science 5 puts the emphasis on doing science. Students build their knowledge by crafting models, conducting experiments, creating terrariums, and making

electromagnets. They learn about plant and animal cells and their functions, photosynthesis, and the roles of producers, consumers, and decomposers in an ecosystem. Students explore the global water cycle, the negative impacts of weather, and the relationship between weather and climate. They deepen their understanding of their home planet by investigating landforms, volcanic activity, the layers of the Earth's atmosphere and geosphere, the tilt of the Earth's axis, the impacts of its revolution around the Sun, and the Sun's role as a source of energy for life on Earth. Students are introduced to elements as the basic substances of all matter and the relationship between matter and particles. This course also covers the core concepts of physics, including energy transformation, gravitation, and Newton's first and second laws of motion. Students design simple and parallel circuits and use the engineering design process to generate solutions to real-world problems. Finally, they conduct research, formulate questions, make predictions and observations, conduct fair tests using the scientific method, record their findings, and draw conclusions for future investigation. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### **Course Topics**

- Matter & Its Interactions • Organisms & Cells • Organisms in the Environment
- Genetics • Evolution & Adaptations • Energy • Motion & Stability
- Earth & the Universe • Landforms, Weather, & Climate • Earth's Water Resources
- Humans & the Environment • Engineering Design • What is Technology
- How Technology is Used • How Technology is Designed
- How Technology is Improved • A Technology-Driven World

## **Social Studies**

### **Social Studies PreK**

**Credit: .5**

Social Studies PreK provides a foundation of rules and consequences as well as a beginning look at cultures. Students recognize themselves as being part of a group and begin to recognize and solve their own problems. Students acquire beginning skills with maps and different resources and are introduced to the idea of money and the difference between work and play. This course was developed with the parent and Early Kindergarten teacher in mind, providing the opportunity for the Early Kindergarten student to thrive in either the school or home environment.

#### **Course Topics:**

- Rules & Consequences • Cultural Traditions & Norms • Resource Availability
- Problem Solving • Sense of Belonging

### **Social Studies K**

**Credit: .5**

Social Studies K introduces emerging learners to the knowledge and skills that will help them to become active and valued participants in their community. Students discover the importance of rules and regulations in guiding community behavior, and they explore good citizenship and values such as respect, democracy, cooperation, and equality. Social Studies K establishes students' understanding of the past by teaching them the importance of a sequence of events and developing their skill in distinguishing fact from opinion. Finally, students learn about the world around them, including how geography influences society, how maps represent places, and how communities rely on trade in goods and services. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

## Course Topics

- Rules & Regulations • Government & Institutions • Local Community
- Community Helpers • Good Citizenship • Goods & Services • Basic Geography
- Sequence of Events • Characteristics of People & Places • Historical Figures
- Facts & Opinions

## Social Studies 1

Credit: .5

Social Studies 1 leads students beyond their local community to consider their place in their state, the nation, and the world. They explore the function and characteristics of government in the United States, including the role of rules and laws and the rights and responsibilities of citizens. Students also learn how to ask questions and gather information to understand history. This course focuses on developing students' knowledge of the interplay between the physical world and human societies, as they learn basic geography skills such as map reading. They examine the impact of the environment on how and where people live, and they explore the ways that regional variations drive trade in both goods and services. Finally, students build their understanding of good citizenship by identifying ways to contribute to the community and avoid conflict by interacting respectfully with others. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

## Course Topics

- Basic Geography • People & the Environment • Historical Analysis • My State
- United States History • United States Government • World History • Citizenship
- Rules & Laws • Economics

## Social Studies 2

Credit: .5

Social Studies 2 empowers students to become productive citizens by developing their knowledge and skills in civics, history, geography, and economics. In this course, students deepen their understanding of the U.S. government by explaining the role of the three branches of government and of the U.S. Constitution. Students extend their knowledge of U.S. history to recognize the impact of important figures and movements of the past, and they begin to think like historians by identifying reliable sources, crafting compelling questions, distinguishing fact and opinion, and using timelines to structure series of events. The course highlights the role of international relations, including alliances and international trade, as well as the importance of geography and regional variations in resources and production. Students learn core concepts of economics, including supply and demand, scarcity, and cost and benefits, as well as the functions of banks, and they relate these concepts to individuals and communities. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

## Course Topics

- Government • Citizenship • International Relationship • Historical Sources
- Geography • Economics • U.S. History • Timelines • Facts & Opinions



## Social Studies 3

Credit: 1

Social Studies 3 focuses on the United States, including its government and its laws. Students are encouraged to think about what it means to be productive, responsible citizens of the nation and their own local communities. To support their learning about U.S. history and differing cultures and perspectives, students develop and research compelling questions on historical topics, work with timelines, and distinguish between fact and opinion. Additionally, they learn to evaluate the validity of sources, especially websites. Students develop presentation skills that include constructing arguments to support their opinions and using visual aids to add interest to oral reports. Finally, students expand their map-reading skills and learn the fundamentals of financial literacy. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### Course Topics

- Map Skills • Geography • Choices & Decisions Making • Economics
- Finding & Evaluating Sources • Constructing Arguments • Civics
- Processes, Rules, & Laws • Government • History

## Social Studies 4

Credit: 1

Social Studies 4 introduces students to critical analysis, as they develop detailed knowledge of U.S. and world history and the influence of individual perspectives on documents and events. Students assess and use a wide variety of primary and secondary sources to research compelling questions and present interpretations and arguments in both written and oral form, supporting their positions with details drawn from those reliable sources. They learn the rights and responsibilities of citizens and how people and groups can work together to accomplish common goals. Students also explore how regional differences in physical environment and culture affect how people live and work. This course fosters a command of the concepts and tools of geography such as latitude, longitude, maps of various kinds, and scales. Students gain an understanding of core aspects of economics, including resources, production, consumption, and international trade.

### Course Topics

- Evidence & Source Evaluation • Geography • People & the Environment
- Economics • Principles & Documents • Rights & Duties of Citizenship • Government
- History • Civics • Processes & Perspectives

## Social Studies 5

Credit: 1

Social Studies 5 puts American history front and center, as students learn about the Native American civilizations of the Americas, the discovery of the New World by European explorers, the founding of the United States, westward expansion, and the coming of the Industrial Revolution. In this course, students leverage research skills to analyze historical events and documents, and they present their findings using arguments based on reliable sources with supporting facts. They refine their ability to distinguish fact from opinion in the context of historical investigation. Students broaden their understanding of government by recognizing how the system of checks and balances works at national and state levels, and they identify and interpret important songs and symbols of the United States. Civic responsibility is woven

throughout the curriculum, and students learn to recognize the value of public service and the traits of good leaders. Social Studies 5 also explores the themes, tools, and techniques of geography. Students learn how human interaction with the environment has caused change, both beneficial and detrimental, in the past and in the present. Finally, they study how the U.S. economy functions, including the role of government and multinational organizations in domestic and international trade. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

### **Course Topics**

- Geography • Early American Civilizations • Exploration & Colonization
- American Independence • Principles & Documents • Growth & Westward Expansion
- Government • Patriotism & Citizenship • Economics • The Economy of the World
- Income, Profit, & Wealth

## **Electives**

### **Art K**

**Credit: .25**

In Art K, students are introduced to the ways in which they can express ideas and demonstrate their creativity through art. Throughout this course, students are encouraged to use their imagination to create art. They use a wide variety of materials to make their artwork, and they learn safe methods for using those materials. They explore the importance of working with others by collaborating both to create art and to solve artistic problems. Students use multiple techniques while working with the same artistic medium, and they create various scenes, including a nature scene, a construction scene, and an underwater scene. In addition, Art K encourages students to begin thinking about the artwork of others. They learn about well-known artists and the common tools those artists used. They also learn about art museums and consider how pieces of artwork make them feel. Finally, students create works of art that are of a more personal nature, including art depicting their own community, a self-portrait, and an illustration of their favorite book. Throughout Art K, students learn art terminology so that they are able to connect ideas and demonstrate the beginnings of a strong artistic foundation.

### **Course Topics:**

- Media Magic • New Ways to Create • Planning Art • Saving Your Art • Art Show
- The World in Pictures • Art About Me

### **Art 1**

**Credit: .25**

In Art 1, students explore the roles of groups of people. Students learn how daily life can be used as inspiration and how it can be depicted through artwork. They categorize artworks according to the subject matter each is portraying. Additionally, students learn to recognize the elements of art and the principles of design, and they rate artwork. Students explore the ways in which artwork is created outside of the school setting, and they discover that art is made for different reasons. As practicing artists, students develop their art vocabulary, art understanding, and artistic skills as they work through prompts supplied in the course.

### **Course Topics:**

- Using Art Vocabulary • Everyday Objects in Art • Art Outside of School
- Making Art for Different Reasons • Value of Art

## **Art 2**

**Credit: .25**

In Art 2, students explore artistic expression of their own personal interests. They also learn to organize art into categories and identify the various methods and materials used to create art. Throughout this course, students expand their artistic vocabulary, using it to describe the works they are studying. They explore the ways in which color can represent mood in artworks and create their own works to express their mood. While learning safe procedures for working with artistic materials, students experiment with mixing colors. In addition to creating artworks that depict family, school, and community life, students also gain familiarity with works from European and Asian cultures.

### **Course Topics:**

- Artist Choices • Art Themes • Preparing Portfolios • Archival Art • Subject & Mood

## **Art 3**

**Credit: .25**

In Art 3, students create, experiment, revise, present, analyze, and respond to artwork. Students learn the importance of presenting their art and the necessary components to consider when doing so such as the display space, artwork preparation, and display limitations. Students revise and enhance their art in order to tell a better visual story. They also learn how to ask important questions regarding the imagery and materials an artist uses to better understand the message of the work. Art 3 gives students the observation tools they need to perceive their world and create art based on what they see and how they feel.

### **Course Topics:**

- Making Art to Learn • Recording Stories & Life • Asking Questions
- Influence of Time & Place • Making Your Art Better

## **Art 4**

**Credit: .25**

In Art 4, students begin thinking about the meaning behind works of art. They work both independently and collaboratively to brainstorm ideas for visual art, set artistic goals, and create meaningful artistic pieces. Students experiment with oil pastels and nontraditional artmaking approaches and materials. They explore how regional influences can inspire an artist and create their own art based on regional inspirations. Students observe the various ways in which art can be displayed, where it can be displayed, and how its placement can impact the artist's message. Students compare and contrast works from different cultures and create art to reflect their own cultural traditions. They also learn to use context to interpret artwork and infer information about the time, place, and culture in which works were created.

### **Course Topics:**

- Creative Process • Solving Problems • Art Safety • Mistakes are OK • Digital Art
- Preserving Art • Viewing Art

## **Art 5**

**Credit: .25**

Art 5 gives students opportunities to work with a wide range of materials, from metal to watercolors, all while further developing their techniques and skills as artists through repeated practice. Students learn to analyze, interpret, and talk about art with their peers as well as other admirers of art. They are introduced to the idea of cultural associations and perceptions and are asked to look at imagery critically. In doing so, students learn to decide how the details of their own work could be interpreted by others. Throughout this course, students create artwork that will bring attention to topics they find important. Their work will illustrate their awareness of their surroundings and will show their developing artistic abilities.

### **Course Topics:**

- Place of Significance • Interpretation Comparison • Becoming Aware
- Quality Craftsmanship • Art Can Change Lives

## **Cursive Handwriting**

**Credit: .25**

Cursive Handwriting gives students the opportunity to learn the art of cursive handwriting. This course uses videos and written lessons to demonstrate and explain how each letter is written. Students practice their cursive writing using engaging activity pages.

### **Course Topics:**

- Correct Writing Posture • Paper Positioning • Lowercase Letters • Uppercase Letters
- Individual Letter Strokes • Connecting Letters to Create Words

## **Introduction to Foreign Language**

**Credit: 1**

Introduction to Foreign Language is geared toward students who are interested in taking a foreign language course but are not sure in which language they would like to begin their studies. This course provides an introduction to German, Spanish, and French languages, allowing students to explore the culture and other important dynamics associated with each language. Students learn the basic vocabulary and structures of the languages in ways that are fun and educational.

### **Course Topics:**

- French Alphabet, Conversation Basics, Colors, Clothing, Food, & Family Vocabulary
- Spanish Alphabet, Conversation Basics, Colors, Clothing, Food, & Family Vocabulary
- German Alphabet, Conversation Basics, Colors, Clothing, Food, & Family Vocabulary
- French-Speaking Countries & Culture • Spanish-Speaking Countries & Culture
- German-Speaking Countries & Culture

## Introduction to Typing

Credit: .5

In Introduction to Typing, students study the proper typing techniques in order to increase their typing speed or WPM (words per minute). Students practice proper posture, finger positioning, and typing strategies, and they explore safe internet practices.

### Course Topics:

- Keyboard Techniques • Reasons to Know Typing • Invention of Typewriter
- Formatting Documents • Punctuation & Spacing Rules • QWERTY Keyboard
- Numeric Keypad • Netiquette

## Music K

Credit: .25

In Music K, students are introduced to the expression of ideas and creativity in music through active involvement. Students respond, connect, perform, and create music to enhance gross and fine motor skills, vocal development, self-expression, personal connection, originality, visual recognition, and audiation while developing music terminology. Some of the topics explored within this course include:

### Course Topics:

- Rhythm • Tempo • Pitches • Melodic Direction • Dynamics • AB Forms

## Music 1

Credit: .25

In Music 1, students are introduced to music fundamentals such as solfège, rhythms, dynamics, meter, instrument families, and dance forms. Each topic is presented through the use of music and movement activities that include reading, singing, dancing, and writing. Students improvise original rhythmic compositions. They sing using various forms of musical expression and dance. They learn and practice proper stage and performance etiquette techniques, and they explore the ways in which music and dance work together to create specific dance forms. Students also learn about American composers whose music has influenced the American society.

### Course Topics:

- Communicating Through Music • About the Beat • Fun Expressions
- Music About Me • Musical Ideas • Refining the Rhythm • Types of Instruments
- Musical Expression • Influences on America • Music and Dancing

## Music 2

Credit: .25

In Music 2, students explore musical expression. They investigate how musical concepts such as tempo are used to achieve the musician's expressive intent. Students identify the role and responsibility of a music composer and seek out the connections between music, other arts, daily life, and history. Throughout the course, they perform songs with movements and improvise rhythmic patterns and melodies. They create and record musical ideas through a recording device or on paper. Students learn to identify how personal interests and experiences influence music

selection and instrument choice. Through these studies, they evaluate music from the Irish, African, and Japanese cultures. Additionally, they work with standard and iconic notation. Finally, students use the musical skills learned in this course to evaluate recorded music and make suggestions for improvement.

**Course Topics:**

- Moving & Time • What is a Composer? • Connections to Music
- Musical Ideals • Pitched Percussions • Non-Pitched Percussion • Critiquing Music

## **Music 3**

**Credit: .25**

In Music 3, students explore musical basics such as melody, harmony, dynamics, tempo, timbre, texture, and context. They also reflect upon how these elements affect a listener's response to the music. Students use standard notation to read and write notes and rhythm in the treble clef and then practice playing those notes on instruments including the hand drum, rhythm sticks, and the soprano recorder. They learn about new musical ideas such as the pentatonic sound, major and minor scales, and singing in solfège. Finally, students identify key classical composers and explore new musical genres such as blues, bluegrass, country, jazz, and pop music.

**Course Topics:**

- Instrument Families • Dynamics & Tempo • Judging the Music
- Working with Rhythms • Utilizing Meter & Melody • Musical Form
- Reading Musical Notation • Ensemble Performances • Rehearsing & Refining
- Musical Genres

## **Music 4**

**Credit: .25**

In Music 4, students identify how the elements of music (melody, harmony, timbre, dynamics, and tempo) affect what a piece of music communicates to a listener. Students label or perform three different examples of rhythm in addition to musical notes such as the eighth note and the sixteenth note. They identify notes on the bass and treble clef. Students learn the difference between sharps and flats and major and minor scales. They create simple melodies with chords and mark tempo, time signature, and signature key. Students explore different musical characteristics and instruments from Africa in addition to Latin American and Celtic music and dance. Finally, students explain how social and cultural contexts influence a musical performance.

**Course Topics:**

- Reading Pitch • Music of Latin America • Celtic Music • Key Composers
- Reading a Score • The Blues • Early Rock & Roll • Swing Rhythms

## **Music 5**

**Credit: .25**

In Music 5, students demonstrate their ability to create, perform, analyze, and respond to music while making connections to personal, social, cultural, and historical perspectives. By the end of the course, students are able to read music notation, compose music, and improvise original melodies. Students apply what they learn

through interactive learning activities and performances on a variety of instruments including, but not limited to, the tambourine, rhythm sticks, maracas, and the soprano recorder.

**Course Topics:**

- Musical Connections • Key of C Major • Playing to Accompany
- Fun with Improvisation • Composition • Expression in Singing • Instrumentals
- Performance Decorum • Cultural Connections • Musical Theater

## **Physical Education PreK**

**Credit: .25**

Physical Education PreK offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students have the opportunity to purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. Students are required to complete 36 hours of organized, supervised physical activity, which they will document within a Physical Education Log.

**Course Topics:**

- Locomotor Movements • Strength Building • Balance & Coordination
- Ball Handling & Catching • Ball Kicking • Games • Warming Up & Cooling Down

*Please note: There are adaptive physical education activities available for this course.*

## **Physical Education K**

**Credit: .25**

Physical Education K offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education K, students must complete 36 hours of organized, supervised physical activity, which they will document within a Physical Education Log.

**Course Topics:**

- Locomotor Movements • Strength Building • Balance & Coordination
- Ball Handling & Catching • Ball Kicking • Games • Warming Up & Cooling Down

*Please note: Adaptive physical education activities are available for this course.*

## **Physical Education 1**

**Credit: .25**

Physical Education 1 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 1, students must complete 36 hours of organized, supervised physical activity, which they will document within a Physical Education Log.

### **Course Topics:**

- Locomotor Movements • Strength Building • Balance & Coordination
- Ball Handling & Catching • Throwing at Targets • Ball Kicking • Games
- Warming Up & Cooling Down

*Please note: Adaptive physical education activities are available for this course.*

## **Physical Education 2**

**Credit: .25**

Physical Education 2 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 2, students must complete 36 hours of organized, supervised physical activity, which they will document within a Physical Education Log.

### **Course Topics:**

- Locomotor Movements • Strength Building • Balance & Coordination
- Ball Handling & Catching • Throwing at Targets • Ball Kicking • Games
- Warming Up & Cooling Down

*Please note: Adaptive physical education activities are available for this course.*

## **Physical Education 3**

**Credit: .25**

Physical Education 3 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 3, students must complete 36 hours of organized, supervised physical activity, which they will document within a Physical Education Log.

### **Course Topics:**

- Target Heart Rate • Cardio Exercises • Strength Building • Balance & Agility
- Jump Rope Skills • Games • Juggling

*Please note: Adaptive physical education activities are available for this course.*

## **Physical Education 4**

**Credit: .25**

Physical Education 4 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 4, students must complete 36 hours of organized, supervised physical activity, which they will document within a Physical Education Log.



**Course Topics:**

- Target Heart Rate • Cardio Exercises • Strength Building • Balance & Agility
- Jump Rope Skills • Games • Juggling

*Please note: Adaptive physical education activities are available for this course.*

**Physical Education 5****Credit: .25**

Physical Education 5 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 5, students must complete 36 hours of organized, supervised physical activity, which they will document within a Physical Education Log.

**Course Topics:**

- Target Heart Rate • Pedometer • Cardio Exercises • Strength Building
- Balance & Agility • Jump Rope Skills • Games • Juggling

*Please note: Adaptive physical education activities are available for this course.*

**Wellness PreK****Credit: .25**

Wellness PreK focuses on the physical health and wellness of the Early Kindergarten student. This course emphasizes healthy eating habits, exercise, small and gross motor control and development, safety, and appropriate hygiene. Engaging activities allow students to demonstrate small and gross motor skills, while the discussions surrounding healthy eating habits, safety, and hygiene give them a strong foundation on which they can build health and wellness awareness in the future. This course was developed with the parent and Early Kindergarten teacher in mind, providing the opportunity for the Early Kindergarten student to thrive in either the school or home environment.

**Course Topics:**

- Small & Gross Motor Functions • Healthy Eating & Hygiene • Safety



# NCAA-ELIGIBLE COURSES

Many students are interested in continuing their athletic careers in post-secondary settings. To be eligible to compete at the college level, high school athletes must be adequately prepared for post-secondary coursework and must meet specific academic requirements. Students may work toward these requirements by enrolling in our NCAA-eligible Lincoln Empowered courses.

Lincoln Learning Solutions has been cleared by the NCAA as meeting the guidelines for a nontraditional program. Accordingly, many of our Lincoln Empowered courses have been granted NCAA approval. These courses were reviewed against NCAA's criteria for core courses and meet the organization's requirements for course length, content, and rigor.

Students can take Lincoln Empowered NCAA-eligible courses using our instructional services or those of their home district. Using our instructional services, students will progress asynchronously through their courses with the interaction and guidance of experienced, state-certified teachers who monitor student progress, provide one-on-one support and instruction, assess mastery of content, and create supplemental educational materials. Using the instructional services of their home school district, students may take NCAA-eligible courses synchronously or asynchronously. If the students' home district implements the Lincoln Empowered courses with modifications, it may have to complete a Nontraditional Course Questionnaire; if the home district implements a NCAA-eligible course with no modifications, completion of this form may not be necessary. Regardless of their choice of instruction, students taking Lincoln Empowered NCAA-eligible are assured that their path to certification is as seamless as possible.

## English Language Arts

- African American Literature
- American Literature
- British Literature
- Creative Writing
- Debate
- English Language Arts 9
- English Language Arts 10
- Greek and Roman Mythology
- Introduction to College Writing
- Poetry
- Short Stories
- World and Cultural Mythology
- World Literature

## Mathematics

- Algebra I
- Algebra II
- Calculus
- Geometry
- Pre-Calculus
- Probability and Statistics
- Trigonometry

## Science

- Anatomy and Physiology
- Astronomy
- Biology
- Chemistry
- Earth Science
- Environmental Science

- Forensic Science
- Fundamentals of Ecology
- Physical Science
- Physics

## Social Studies

- 1960s America
- African American History
- American History I - Colonies through Civil War
- American History II - Reconstruction through WWII
- American History III - Post WWII to Present
- Ancient History
- High School Civics and Government
- Law
- Political Science
- Psychology
- Sociology
- World Cultures

## World Languages

- French I
- French II
- French III
- German I
- German II
- German III
- Mandarin Chinese I
- Mandarin Chinese II
- Spanish I
- Spanish II
- Spanish III



# MIDDLE SCHOOL COURSES - GRADES 6-8

## English

### English Language Arts 6

Credit: 1

English Language Arts 6 supports students' continual growth as skilled readers and writers. Students explore more complex text elements for pieces from many different genres. They examine connotation, figurative language, tone, theme, and point of view. They practice retelling and paraphrasing sources, and they expand their vocabulary. Students continue to develop as skilled writers by discovering how to communicate their opinions, appropriately citing sources, and establishing a formal writing style.

#### Course Topics:

- Paraphrasing & Retelling • Figurative Language • Points of View
- The Writing Process: Arguments, Narrative, & Informative • Grammar
- Public Speaking

### English Language Arts 7

Credit: 1

English Language Arts 7 introduces students to reading a wide array of literature and informational texts. In addition, students explore the elements of literature, focusing on plot, setting, and characters. By studying language and engaging in different writing assignments, students begin to explore different ways to state their opinions, make claims, and verbalize in an effective manner.

#### Course Topics:

- Story Elements • Literary Structure & Texts • Grammar • Vocabulary Acquisition
- Informational Structure & Texts • Nonfiction Texts • Essay Writing
- Media Presentations • Speech Adaptation

### English Language Arts 8

Credit: 1

English Language Arts 8 introduces students to literature and informational texts. Through lessons on the literary elements, the structure of texts, and the basics of grammar and composition, students apply analytical thinking skills to the works that they read. Students also delve into poetry in this course by dissecting the structure of poems, the language, and the terminology that is often affiliated with the genre. Students also apply their listening and speaking skills through presentations and projects.

#### Course Topics:

- Mood, Style, & Tone • Elements of Narratives • Grammatical Rules
- Characterization • Word Choice & Exploration • Reading of Literature
- Writing Process • Fiction, Nonfiction, & Poetry

# Mathematics

## Mathematics 6

Credit: 1

In Mathematics 6, students begin to study rational numbers and explore the concept of negative numbers. They work with ratio and rate in order to connect these concepts to problems involving fractions. Students also apply all four operations to fractions and decimals. In this course, students begin their study of Algebra by learning about mathematical expressions and equations. They analyze data and learn to think about numbers statistically.

### Course Topics:

- Fractions • Decimals • Equivalent Expressions • Equations & Inequalities
- Rational Numbers • Graphing • Ratios • Statistics • Area • Volume of Shapes

## Mathematics 7

Credit: 1

Students in Mathematics 7 begin their journey on the pathway to developing a strong mathematics framework. Students hone their arithmetic skills in this course, preparing them for more difficult and detailed calculations. Students work through fractions and decimals and begin developing algebraic skills by learning to work with and solve two-step equations. Students also explore probabilities, data, and statistics.

### Course Topics:

- Equations • Probability, Including Experimental & Theoretical Probability
- Multi-Step Equations • Ordered Pairs • Fractions & Decimals • Rates & Ratios
- Proportions • Unit Rates • Absolute Value

## Mathematics 8

Credit: 1

Mathematics 8 prepares students for more difficult mathematics courses by exposing students to foundational arithmetic concepts. Students in this course examine the elements of geometry by being introduced to angles, lines, and points. Students apply this knowledge to graph using coordinate planes and complete calculations between two points' distances. Students also study the scientific notation, which assists them in computations and provides a framework for more difficult calculations.

### Course Topics:

- Sequences • Linear & Algebraic Equations • Probability • Surface Area
- Data Representation • Pythagorean Theorem • Number Systems • Square Roots
- Rational & Irrational Numbers • Solving Equations

## Pre-Algebra

Credit: 1

In Pre-Algebra, students explore concepts such as integers, expressions, equations, and fractions. This course provides students with a solid foundation for Algebra I and emphasizes the use of technology, problem solving, critical thinking, and reasoning.

### Course Topics:

- Linear Functions • Plots • Slopes & Intercepts
- Arithmetic & Geometric Sequences • Geometry • Equations • Pythagorean Theorem

## Science

### Middle School Earth and Space Science

Credit: 1

In Middle School Earth and Space Science, students study the planet Earth and the extensive solar system structure in which it resides. They evaluate Earth's climate and its weather patterns and changes, and they learn about life science and how chemistry and physics play a role in Earth's major processes. Students also investigate climate change and the ways in which global warming impacts Earth. By evaluating the numerous facets of our planet, students prepare for higher level and more subject-specific science courses.

### Course Topics:

- Introduction to Cosmology • Galaxies & Stars • Earth-Sun-Moon System
- Exploring Space • Human Population • Predicting Natural Hazards • Climate Change

### Middle School Life Science

Credit: 1

Middle School Life Science introduces students to an integrated approach to physical and life sciences. Students study science concepts and problem solving while exploring the many aspects of the living and nonliving world around them. Students review numerous cycles of life and study their impact on animal, plant, and human life. Students also investigate important topics in histology, heredity, and the biology of living organisms.

### Course Topics:

- Basic Characteristics of Life • Structure & Function of the Cell
- Levels of Biological Organization • Growth & Development of Organisms
- Organization of Energy & Matter in Ecosystems • Cycles of Matter in Ecosystems
- Ecosystem Dynamics • Heredity • Mendelian Genetics • Evidence for Evolution
- Natural Selection • Adaptations

### Middle School Physical Science

Credit: 1

Students enrolled in Middle School Physical Science discover the principles of physics and develop a better understanding of motion, forces, energy, waves, and electricity. Students study the laws of motion while considering the role that chemistry plays in regard to reactions and properties, and they review the laws of gravity and the states of matter.

### Course Topics:

- Magnetism & Electricity • Kinetic & Potential Energy • Newton's Law of Motion
- Energy Waves • Physical & Chemical Reactions • Mass • Pure & Mixed Substances
- Atomic Structure

## Social Studies

### American History I - Colonies through Civil War

Credit: 1

NCAA-Eligible

American History I - Colonies through Civil War introduces students to early American history and covers topics ranging from the first inhabitants of the North American continent through the end of the American Civil War. Students examine the growth of the United States, including major events that led to the American Revolution; post-Revolutionary War growth; the political, economic, and social landscape in the early 1800s; slavery; and territorial expansion. Students explore the concept of Manifest Destiny and the Civil War, leading to an analysis of the state of the nation at the Civil War's end.

#### Course Topics:

- Election of 1828 • European Colonization of America
- Canada, Central America, & Mexican Independence • Opposing Native Americans
- The Constitution • The Bill of Rights • Civil War • Northern & Southern Advancement
- Immigration • Industrial Revolution

### Ancient History

Credit: 1

NCAA-Eligible

Ancient History enables students to explore the cultures of ancient civilizations throughout the world. They discover each civilization's contributions to art, music, literature, education, religion, science, technology, government, and philosophy. Students explore aspects of humanity from prehistoric times to 500 CE.

#### Course Topics:

- Early Humans • Mesopotamia • Ancient Egypt • Ancient Japan • Ancient Greece
- Ancient Rome • African Empires • The Americas

### Middle School Civics and Government

Credit: 1

Middle School Civics and Government introduces students to the basic principles of the democratic government of the United States. Students examine the structure of legislation, including the numerous branches of government and the roles that each branch plays governing the nation. Students look at local and state governments, including mandates and laws and how those laws affect citizens locally and nationally.

#### Course Topics:

- Political Parties • Legislative, Judicial, & Executive Branches
- Voting & Civil Rights • Local Government • State Government
- Taxation & Tax Structure • Public & Private Services • Mandates & Laws
- Origin of Law • The Constitution • Amendment Creation



## Middle School Geography

Credit: 1

Students learn to study the Earth's landscape in Middle School Geography. In this course, students learn that geography extends beyond physical structures by exploring geographical facets such as regions, ethnicities, and trade routes in addition to landforms. By studying the geography, history, culture, religion, and contemporary issues facing a certain group of people or a specific area of space, students discover a significant amount of information about people in the present and in the past.

### Course Topics:

- Places & Regions • Geographical Arguments • Organization of a Region
- Spatial & Cultural Patterns • Constructing & Using Maps • Inquiry in Geography
- Valid Sources • Critiquing Arguments

## Electives

### Art 6

Credit: .25

Art 6 encourages students to collaborate to create art. Students investigate how art can be personally significant while learning to be open to new artistic ideas, materials, methods, and creative approaches. In this course, students also explore the ways in which art equipment and materials can affect the environment. They study why and how artistic design can influence people, and they design art for a diverse population. Students also determine whether works of art successfully communicate their intended message. This course introduces three-dimensional art, and students compare two-dimensional and three-dimensional pieces before creating their own three-dimensional artwork. They view art from around the world and determine what the works reveal about the values and lifestyles of the people depicted in the works. Finally, students learn the importance of preserving art and ways to critique art.

### Course Topics:

- Artistic Investigation • Collaborative Combination • Upcycle Design • Revising Work
- Time & Place • Art Critique

### Art 7

Credit: .5

In Art 7, students transition from exploratory art discovery to a more discipline-based approach. This new approach focuses on developing students' skills and techniques as well as content knowledge, while still allowing for exploration and individuality. Students have the opportunity to act as real artists through repeated sketching, concept development, and continued research and observation activities while they work with a variety of media. Art 7 includes a strong focus on independent, creative thinking and problem solving through project-based learning. This course is designed to cover a half year of instruction, but it can be completed at each student's own pace. The project-based activities have dedicated, multi-day lessons to allow students time to sufficiently and successfully develop their ideas and artwork.

### **Course Topics:**

- Identity Explosion • Grass-Growing Clay Pets • Thief in the Night
- Unconventional Garment • Figures of Inspiration • Two-Sided Landscape Art
- Daily Food Sculpture

## **Art 8**

**Credit: .5**

In Art 8, students are introduced to design elements and principles as well as contemporary artmaking processes. In addition, students will explore the act of conceptual thinking. The Art 8 curriculum is designed to cover a half year of instruction, but it can be completed at each student's own pace.

### **Course Topics:**

- Art Journaling • Social Justice Graphic Novel • Hockney Photographic Collage
- Museum Curation & Narration • Identifying Group Triptych • Assemblage
- Masking Tape Murals

## **Middle School Health**

**Credit: .5**

Middle School Health explores each of the health dimensions including physical health, social health, emotional health, and intellectual health. Students learn about healthy eating habits, safe exercise routines, and ways to prevent disease. They also study how to improve their emotional and intellectual well-being, including methods for boosting their self-confidence and enhancing their decision-making skills. In addition, students learn to apply refusal skills when faced with peer pressure while maintaining healthy relationships. By the end of the course, students will have the tools necessary to improve all areas of health in order to achieve total wellness and make healthier lifestyles choices.

### **Course Topics:**

- Wellness • Social Health • Healthy Food Choices • Personal Fitness
- Emotional Health • Intellectual Health • Evaluating Choices • Substance Abuse
- Communicable Diseases • Noncommunicable Diseases

## **Middle School Nutrition and Personal Fitness**

**Credit: .5**

In Middle School Nutrition and Personal Fitness, students explore nutrition, dietary needs, and physical fitness. With a foundation in nutrition principles and practices, students read food labels and identify food safety concerns. With regard to physical fitness, students analyze exercise guidelines that promote healthy lifestyles.

### **Course Topics:**

- Flexibility • Assessing Habits • Planning for Diet Needs • Food Groups
- Fitness Components

## **Music 6**

**Credit: .25**

In Music 6, students express ideas and creativity through music. Students apply music terminology to different instrument groups and learn to read music. Additionally, students discuss different forms of music and popular songs within Western and worldwide music.

### **Course Topics:**

- Music Genres Galore • The History of Recorded Music • Improvisation
- Beginning Composition • Piano & Its Famous Composers

## **Music 7**

**Credit: .5**

In Music 7, students explore the history, development, and attributes of American music. They learn music theory and music reading skills, which are presented and reinforced within the context of historical musical works. Students interpret sheet music that represents various genres of American music. Additionally, students practice performing music vocally and with a pitched instrument.

### **Course Topics:**

- Foundations of Music • Musicalities • Musical Architecture • Westward Bound
- Turn of the Century • Take the Stage • Talk about Pop Music • Music of the Future

## **Music 8**

**Credit: .5**

In Music 8, students are introduced to a variety of music genres and instruments. Students explore the concepts of rhythm, melody, timbre, texture, dynamics, form, and rhythm, and they learn how to sight read music. Students listen to various examples of songs to interpret performances, and they compose and perform their own song.

### **Course Topics:**

- Music Theory • Elements of Music • Family of Instruments • Music Genres
- World Music • Talent Competition • Sight Reading • Writing Music • Composing

## **Physical Education 6**

**Credit: .25**

Physical Education 6 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 6, students must complete 36 hours of organized, supervised physical activity, which they will document within a Physical Education Log.

### **Course Topics:**

- Target Heart Rate • Pedometer • Cardio Exercises • Strength Building
- Balance & Agility • Jump Rope Skills • Games • Juggling

*Please note: Adaptive physical education activities are available for this course.*

## Physical Education 7

Credit: .25

Physical Education 7 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 7, students must complete 72 hours of organized, supervised physical activity, which they will track using a Movband and document with a Physical Education Log. Students who participate in an organized team sport may choose to complete the Sports Verification Log.

### Course Topics:

- Training for a 5K • Jump Rope • Stepper • Fitness & Weighted Ball
- Push-Up Handles

*Please note: Adaptive physical education activities are available for this course.*

## Physical Education 8

Credit: .25

Physical Education 8 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 8, students must complete 72 hours of organized, supervised physical activity, which they will track using a Movband and document with a Physical Education Log. Students who participate in an organized team sport may choose to complete the Sports Verification Log.

### Course Topics:

- Training for a 5K • Jump Rope • Stepper • Fitness & Weighted Ball
- Push-Up Handles • Games

*Please note: Adaptive physical education activities are available for this course.*



# HIGH SCHOOL COURSES - GRADES 9-12

## English

### African American Literature

Credit: .5

NCAA-Eligible

African American Literature is a survey course that spans the history of America as it relates to the lives of African Americans. Students explore the forcible transport of individuals from Africa to America, the publication of narratives of enslaved men and women, the abolition of slavery under President Lincoln, the civil rights movement, and the presidency of Barack Obama. Students explore the powerful and influential roles that African Americans have played in U.S. history. They discover the contributions of African American activists, artists, and authors through literature and nonfiction texts such as biographies, autobiographies, memoirs, court cases, historical texts, and litigations.

#### Course Topics:

- Elements of a Story • Developing a Narrative • Elements of Drama
- Informational Texts • Argumentative Writing • Informative Writing

### American Literature

Credit: 1

NCAA-Eligible

In American Literature, students explore various cultural periods of American literature. They examine numerous aspects of Romanticism, literature from multiple historical eras of the United States, and contributions made by significant American leaders. In addition to discovering multiple genres and investigating numerous periods of writing, students also explore the basics of literature, writing, and grammar.

#### Course Topics:

- Early American Literature • Native American Oratory • Historical Influences
- Literary Elements • Writing • Analyzing Nonfiction • Romantic Movement • Poetry

### British Literature

Credit: 1

NCAA-Eligible

British Literature provides students with a survey of literature in this genre. Students explore the Anglo-Saxon and medieval eras, the English Renaissance, and the Restoration and Enlightenment periods. They analyze how authors from this region have traditionally constructed texts and developed prominent and long-lasting literature. In this course, students examine a variety of styles and use the vocabulary that is characteristic of literature pieces they are reading. This course offers students numerous chances to discuss, analyze, synthesize, and evaluate the texts they read through a wide range of writing and thinking exercises.

#### Course Topics:

- Symbolism • Historical Literature • Romantic Poetry • Renaissance
- Restoration & Enlightenment • Poetry • Anglo-Saxon Literature • Shakespeare

## Communications

**Credit: .5**

In Communications, students explore various aspects of communication. They investigate the foundations of communication by analyzing, applying, and designing creative works essential to the professional communications industry. This course establishes a comprehensive foundation for students interested in a post-secondary career in communications.

### Course Topics:

- Communication Skills • Surveys • News Stories • News Broadcasts • Magazines
- Advertising • Radio Commercials • Radio Shorts • Television Interviews
- Television Commercials

## Creative Writing

**Credit: .5**

NCAA-Eligible

Creative Writing is a course in which students discover, analyze, and apply the methods and styles used in various forms of fiction, creative nonfiction, drama, and poetry. It emphasizes experimentation and practice, and it encourages students to take cues from published writers and poets. Students express themselves while learning various genres and their respective writing rules. Students also explore related topics, including word choice, diction, form, editing, idea generation, and other skills useful in nonfiction writing. Students do a great deal of writing in this course.

### Course Topics:

- Setting • Informative Elements • Mysteries • Suspense • Poetic Elements

## Debate

**Credit: .5**

NCAA-Eligible

In the Debate course, students learn crucial debate terminology, speech strategies, and persuasive techniques. Students investigate rhetoric and learn to consider multiple and divergent perspectives. Throughout this course, students develop the skills necessary to execute a well-versed and effectively supported argument. This study of supporting claims with credible evidence will allow students to engage in effective persuasive discourse.

### Course Topics:

- Historic Debates • Lincoln-Douglas Debates • Claims & Counterclaims • Credibility
- Responding in Debates

## English Grammar

**Credit: .5**

Students enrolled in English Grammar explore basic, intermediate, and advanced concepts of grammar, language, style, and composition. By analyzing word meaning and function, students generate content using appropriate grammatical expressions. Students examine provided writing samples and their own compositions to enhance their skills.

### **Course Topics:**

- Linguistics • Punctuation • Effective Words & Phrases • Precise Language
- Sentence Fattening • Glossing

## **English Language Arts 9**

**Credit: 1**

NCAA-Eligible

English Language Arts 9 introduces students to elements of literature from classic to modern times using the genres of fiction and nonfiction. Through reading and the study of literary elements such as plot and setting, character, narrator and voice, tone and mood, and symbolism and irony, students develop skills in literary analysis and interpretation. Students also examine form, style, and persuasion within nonfiction works. In this course, students strengthen their vocabulary, grammar, and mechanics. They also focus on the stages of the writing process.

### **Course Topics:**

- Understanding Theme • Complex Characters • Recognizing Text Structure
- Comparing Mediums • Developing Clear Writing • Descriptive Essay Writing
- Writing Arguments • Writing Persuasive Conclusions

## **English Language Arts 10**

**Credit: 1**

NCAA-Eligible

In English Language Arts 10, students focus on literature, grammar, and composition. They examine the different elements of a story, including plot, setting, character, narrator, and voice. Throughout the course, students also study various parts of speech, readings, and poetry. English Language Arts 10 presents students with many different types and styles of writing in order to provide a thorough examination of language and literature.

### **Course Topics:**

- Word Meaning & Sources • Analyzing Different Mediums • Reading for Meaning
- Character Relationships • Utilizing Evidence • Informative Writing
- Grammar in Writing • Arguments

## **Exploring Cinema**

**Credit: .5**

Exploring Cinema introduces students to filmmaking and cinematic productions. In this course, students explore the technology used to create a film and begin to build an aesthetic appreciation of films. Students also explore media art and the ethics of media creation, giving them a broader perspective on the different ways material can be presented.

### **Course Topics:**

- Critical Review • Creating a Script • Developing Trailer Topics • Censorship
- Cinematic Sound • Viewing Propaganda



## **Greek and Roman Mythology**

**Credit: .5**

NCAA-Eligible

In Greek and Roman Mythology, students explore myths from Greece and Rome. They examine the history of mythology and some of the key gods and goddesses. Students learn to connect the cultures of ancient Greece and Rome with the culture of today. Throughout this course, students use technology and artistic practices to express their knowledge. In addition, they explore vocabulary, literary, and narrative elements in addition to writing through the lens of mythology. Students work through the process of writing myths of their own through planning, drafting, revising, and publishing.

### **Course Topics:**

- Introducing Mythology • Universal Ideas • Character Traits
- Arguments in Mythology • Inspiring Art

## **Introduction to College Writing**

**Credit: .5**

NCAA-Eligible

Introduction to College Writing prepares students to create freshman writing pieces as they move toward their post-secondary education. In this course, they learn the skills necessary to build a solid foundation for basic college writing as they focus on informative and persuasive writing. Students practice organization, tone, and style in their work to ensure that they are well-rounded and skilled writers. Finally, students discover how to locate and present research and evidence in a logical, well-organized manner.

### **Course Topics:**

- The Writing Process • Types of Writing • Persuasive Writing • Expository Writing
- Informative Writing • Narrative Writing

## **Media Writing**

**Credit: .5**

Media Writing is designed for students who are interested in careers in broadcast journalism, communications, or media. In this course, students explore the basics of media writing in addition to careers in print, online, and broadcast media. Students investigate the numerous styles of writing for a number of applications, including newspapers, magazines, audio broadcasts, video broadcasts, and the internet. In addition, students practice researching, locating, and using sources that are reliable and valid.

### **Course Topics:**

- Jargon • Leads • News Article Analysis • Writing for a Magazine • Solid Conclusions
- Blogging

## Poetry

Credit: .5

NCAA-Eligible

Poetry is a course for students who are interested in learning more about different types of poetry and writing their own poetry. In Poetry, students explore the elements of a poem, including theme, poetic devices, rhyme, meter, and word choice. Students evaluate different poetic structures and draft and create their own poems in these structures. In this course, students use evidence to support analysis, conduct research, and write research papers.

### Course Topics:

- Figurative Language • Emotional Wording • Imagery in Poetry
- Culturally Diverse Poetry • Writing as Communication

## Short Stories

Credit: .5

NCAA-Eligible

Short Stories exposes students to the basic characteristics, writing style, and literary elements of a story. From characters, point of view, and setting to techniques such as suspense and irony, students learn how short stories provide readers with the opportunity to experience different storylines in a precise and defined format. Students become acquainted with the compact nature of the short story literary form and each author's ability to weave exciting, interesting narratives in such short, tight spaces. Students learn the importance of being concise, recognizing that good literature does not necessarily have to be lengthy in order to be captivating.

### Course Topics:

- Researching Vocabulary • Conventions of English • Building Vocabulary
- Interpreting Figures of Speech • Context Clues • Knowledge of Language
- Characterization • Discovering Text • Analyzing Artistic Mediums

## Technical Writing

Credit: .5

Written communication skills and documentation in the business environment are central to the Technical Writing course. This course enables students to understand a variety of documents and allows them to perfect their technical writing abilities. From journal writing, email, and directional writing to memos and letter drafting, students encounter numerous types of technical writing and build upon their technical skills and knowledge.

### Course Topics:

- Career Portfolios • Technical Transitions • Creating Resumes • Evaluating Evidence
- Technical Transitions • Jargon in Technical Writing

## World and Cultural Mythology

Credit: .5

NCAA-Eligible

World and Cultural Mythology is the perfect course for students looking for an interactive way to learn about mythology and myths from around the world. The

course focuses on different dynamics of myths and analyzes aspects of myths found in different cultures. The course looks at the type of writing styles used in different myths, including common terminology, sentence structure, and writing techniques. Finally, students evaluate mythical places and sacred locations, including the characters commonly found in myths, such as gods, goddesses, monsters, heroes, and deities.

**Course Topics:**

- Greek & Roman Mythology • European Mythology • African Mythology
- Middle Eastern Mythology • Asian Mythology • African Folklore • Cultural Mythology
- Researching Mythology

## **World Literature**

**Credit: .5**

NCAA-Eligible

In World Literature, students explore a wide variety of literary styles, artists, and mediums from cultures and societies around the globe. Students analyze different forms of writing, including fiction and nonfiction, and they evaluate how authors from different areas, religious backgrounds, genders, and cultures use the written word to express thoughts and opinions and tell poignant stories.

**Course Topics:**

- European Literature • Middle Eastern Literature • African Literature
- Asian Literature • The United Kingdom • Australian Literature
- Native American Literature • Cultural Literature • Researching Literature

## **Mathematics**

### **Algebra I**

**Credit: 1**

NCAA-Eligible

In Algebra I, students explore variables, function patterns, graphs, and equations. They describe and translate graphic, algebraic, numeric, and verbal representations of relations and use those representations to solve problems. Students develop computational, procedural, and problem-solving skills throughout this course, building a solid foundation for further study in mathematics.

**Course Topics:**

- Solving Equations • Units & Sequences • Graphs & Functions
- Linear Equations & Graphs • Exponents & Exponential Functions
- Polynomials & Factoring • Quadratic Equations

### **Algebra II**

**Credit: 1**

NCAA-Eligible

In Algebra II, students analyze situations verbally, numerically, graphically, and symbolically. Students solve equations and inequalities. They extend their knowledge of algebraic expressions, absolute value, functions, and graphs. This course prepares students for more difficult mathematical concepts and content.

### **Course Topics:**

- Rational Expressions • Interpret Functions • Function Composition
- Complex Numbers • Binomial Expansion • Trigonometric Functions

## **Applied Mathematics**

**Credit: 1**

Applied Mathematics covers the fundamental mathematics necessary for students to obtain a broad range of skills. Although problems in this course apply to a variety of topics from algebra to geometry, emphasis is given to real-world applications. Students write and solve linear equations to represent situations such as the value of a car or the distance that a plane travels during a trip. They also learn to solve quadratic equations and find the maximum value of quadratic equations. Students explore area, perimeter, and volume, and then they apply these concepts to situations such as building a swimming pool. Students calculate conversions between the U.S. customary system of measurements and the metric system. Geometry concepts presented in this course include the Pythagorean Theorem, using similar triangles, finding dimensions, and interpreting scale on a map. Finally, students use statistical concepts to interpret data sets and turn those data sets into graphical representations.

### **Course Topics:**

- Equations • Scale Drawings • Conversions • Quadratics • Geometry
- Statistical Graphs

## **Business Mathematics**

**Credit: 1**

In Business Mathematics, students discover a variety of basic mathematical concepts and tools for real-world mathematical application, including algebraic equations, formulas, operations using fractions, decimals, and percentages. This course shows students how to work with percentages to solve application problems and how to research investment and insurance options. Students learn to graph a function from an equation, and they work with ratios and proportions. Additionally, students explore the proper methods of preparing and analyzing income statements and balance sheets. They also study the ways in which to calculate real estate loan payments, and they learn to read and interpret graphs to represent data in the business world. This course also discusses mean, median, and mode as they relate to the distribution of data.

### **Course Topics:**

- Equations • Ratios & Proportions • Earnings • Withholdings • Goods & Services
- Deposits & Inflation

## **Calculus**

**Credit: 1**

NCAA-Eligible

Calculus evaluates higher-level mathematics through analytical, algebraic, numerical, graphical, and verbal methods. Students study various components of mathematics, including the investigation of trigonometric functions, probability, and series. Students

strengthen their skills with pre-calculus and trigonometry concepts in preparation for post-secondary coursework. Having a strong calculus knowledge base supports all students but mostly those students who are interested in careers in the mathematics and engineering fields.

**Course Topics:**

- Limits • Continuity • Derivative • Analyzing Graphs of Function • Curve Sketching
- Integration • Area Between Curves • Volume

## **Consumer Mathematics**

**Credit: 1**

In Consumer Mathematics, students learn mathematical concepts that they will use in their daily lives. They focus on addition, subtraction, multiplication, and division of whole numbers as well as fractions, decimals, ratios, proportions, and percentages. Students also explore the ways in which real-life activities such as traveling, purchasing a new car or house, or even installing new carpeting relates to mathematics. Consumer Mathematics relates everyday mathematics concepts to concrete definitions, processes, and many real-life situations.

**Course Topics:**

- Ratios & Proportions • Statistics • Budgeting • Traveling • Perimeter, Area & Volume

## **Geometry**

**Credit: 1**

NCAA-Eligible

In Geometry, students begin to create a solid foundation in mathematics by studying and exploring a wide range of geometric concepts. Students study the basics of geometric equations and how these equations are present in daily life. They calculate perimeter and work directly with angles and arcs to evaluate the importance of geometric mathematics in construction.

**Course Topics:**

- Angle Relationships • Parallel & Perpendicular Lines • Congruence • Bisectors
- Trigonometry • Transformations

## **Pre-Calculus**

**Credit: 1**

NCAA-Eligible

In Pre-Calculus, students develop a deeper and more thorough understanding of functions and graphs. Graphs that students study range from polynomial and rational to exponential, logarithmic, and trigonometric. Some exponential and logarithmic topics discussed in this course are change of base formulas, properties of logs, growth and decay, and logistic growth models.

**Course Topics:**

- Zeros of Polynomials • Trigonometry Application • Sequences & Series
- Vectors: Magnitude & Direction • Matrices • Conics

## Probability and Statistics

Credit: .5

NCAA-Eligible

Students enrolled in Probability and Statistics build a strong foundation in calculating probabilities and evaluating statistics. The Probability and Statistics curriculum is designed to cover a half year of instruction but can be completed at each student's own pace. Students enrolled in the course explore representation of statistical data, working with scatter plots, analyzing statistical data using properties and theorems, and more.

### Course Topics:

- Statistics Data Representation • Scatter Plots • Analyzing Data
- Operations with Probability • Probability Outcomes

## Trigonometry

Credit: .5

NCAA-Eligible

Trigonometry is offered for those students who want to continue a rigorous study of mathematics. Topics from right-triangle trigonometry lead to an in-depth study of the unit circle and trigonometric functions, their graphs, and their inverses. Analytic trigonometry includes verifying identities and solving trigonometric equations. This course covers the Law of Cosines, the Law of Sines, and vectors, and it closes with a complete study of conics, parametric equations, and polar curves. Before enrolling in this course, students should have completed Algebra II and Geometry.

### Course Topics:

- Foundations of Trigonometry • Trigonometry Graphs & Inverses
- Analytic Trigonometry • Directions in Trigonometry • Parametric & Polar

## Science

### Anatomy and Physiology

Credit: .5

NCAA-Eligible

In Anatomy and Physiology, students explore the fascinating dynamics of the human body. The Anatomy and Physiology curriculum is designed to cover a half of a year of instruction, but it can be completed at each student's own pace. Students have the opportunity to see how the body's different components interact and support successful operation.

### Course Topics:

- Introduction to Anatomy • Body Chemistry • Cellular Structure
- The Skeletal System • The Muscular System • The Nervous System
- The Cardiovascular System

## **Astronomy**

**Credit: 1**

NCAA-Eligible

Astronomy begins by discussing basic astronomical concepts and discoveries throughout history. Students take an in-depth look at the first moments of the universe by studying the Big Bang. From there, they investigate the evolution of the universe, beginning with the first atoms and moving on to explore elements, stars, solar systems, and galaxies. Students gather information to determine if there is a possibility for life on other planets and in other solar systems. Students analyze the major space missions that have led to the modern study of cosmology, and they explore the possibilities of where this field may take scientists in the future.

### **Course Topics**

- Changing Paradigms • Formation of the Solar System • Atoms & Atomic Spectra
- Star Characteristics • The Death of Stars • Galaxy Formation & Evolution
- The Universe • Notable Space Missions

## **Biology**

**Credit: 1**

NCAA-Eligible

Biology covers a wide range of concepts in the field of biology. Students are introduced to the concept of cell structure and function, and they investigate Mendelian genetics and how humans inherit traits. Students also analyze the structure and mechanisms of DNA as well as the role of biotechnology in today's society. This course presents the theory of evolution, including early ideas, how populations evolve, and the history of life on Earth. Students explore the concept of ecology, where they study the different principles of ecology, interactions that occur within ecosystems, the biosphere, and the ways in which humans have impacted ecosystems.

### **Course Topics:**

- Cellular Division • Function of DNA • DNA Replication • Biotechnology
- Evidence for Evolution • Heredity & Probability • Theory of Natural Selection

## **Chemistry**

**Credit: 1**

NCAA-Eligible

Chemistry gives students a deeper understanding of the world around them as they investigate how chemistry is involved in everyday life. Students explore fundamental chemistry content and concepts, including the metric system, the periodic table, atomic structures, bonding, chemical reactions, and nuclear reactions. They apply their knowledge and science process skills through labs that use common, household objects in order to explore the practicality of chemistry. This course requires students to use fundamental algebra skills to solve problems.

### **Course Topics:**

- The Atom • Defining Matter • Acids & Bases • Polar Bonds & Molecules • Solutions
- Ionic Bonding • Thermochemistry • Nuclear Reactions

## Earth Science

Credit: 1

NCAA-Eligible

In Earth Science, students discover how Earth was first formed. They explore Earth's history and the different processes that continually take effect and help to shape the planet. Students also explore the Earth as a body within the Solar System, which leads them to studies of the Universe.

### Course Topics:

- Climate • Geologic Activity • Human Impacts • Plate Tectonics • Resources & Energy
- The Atmosphere of Earth • Weather

## Environmental Science

Credit: .5

NCAA-Eligible

Environmental Science introduces students to the scientific method, terrestrial and aquatic ecosystems, biomes of the world, trophic interactions, and nutrient and chemical cycles. Students analyze the human impact on the environment and ways to reduce negative consequences. Students investigate environmental issues and use their discoveries to make environmental decisions for themselves.

### Course Topics:

- Aquatic Environments • Biodiversity & Abiotics • Earth Cycles
- Ecosystem Biodiversity • Endangered Species • Natural Selection

## Forensic Science

Credit: .5

NCAA-Eligible

Students enrolled in the Forensic Science course develop a better understanding of the reality of forensic science, which is often contradicted by the fictional forensic science portrayed in entertainment. Students begin by exploring the history and background of forensic science. They discover several forensic science disciplines such as pathology, anthropology, toxicology, serology, entomology, and odontology. Students learn and use proper lab practices, which ensure the integrity of any collected organic and inorganic evidence. Students investigate chromatography, spectroscopy, and microscopy techniques. They also explore and survey the impact of DNA analysis and questioned document analysis on forensic science. This course teaches the proper handling of impression evidence such as shoe print, foot, tire, lip print, firearm, and fingerprint impressions while students examine the analysis of trace evidence, including hair and glass. The course concludes with an exploration into the ways in which forensic science is interconnected with the legal system as well as what the future holds for forensic science. It includes numerous hands-on labs, including measuring a hypothetical time of death, extracting their own DNA, and analyzing their own fingerprint impressions. Forensic Science is ideal for high school students who are interested in forensic science, biology, law, and/or criminalistics. Students must possess basic spreadsheet, word processing, and presentation software knowledge as a prerequisite. Completion of one full year of high school biology is required in order to evaluate the numerous biological concepts present in this course. In addition, students must be mature, independent learners and comfortable learning new technology.



*Please note: The concepts discussed in any forensic science course are intended for mature and responsible students only. Delicate and sensitive concepts related to forensic science are discussed in a respectful and straightforward manner.*

#### **Course Topics:**

- Forensic Specialties • Evidence • Lab Practices • Analytic Instrumentation
- DNA Analysis • Controlled Substance Analysis • A Career in Forensic Science

### **Fundamentals of Ecology**

**Credit: .5**

NCAA-Eligible

Fundamentals of Ecology allows students to explore the ways in which organisms interact with their surrounding environments. Students investigate ecological principles such as natural selection, population and population dynamics, biodiversity, and the sustainability of ecosystems. Students also analyze major ecological challenges and the different ways society is working to mitigate these challenges.

#### **Course Topics:**

- Levels of Organization • Cycles of Matter • Biodiversity & Populations
- Species Interactions • Ecosystem Stability • Weather & Climate
- Energy in the Environment • Earth's Layers

### **Introduction to Engineering**

**Credit: .5**

Introduction to Engineering provides students with an overview of the field of engineering and the primary processes and procedures used by engineers. Students explore engineering careers and their impacts on society, and they learn how mathematics and science are used in the field of engineering. They examine different engineering disciplines, the engineering design process, and different engineering styles and methods used in the field. Students take part in hands-on learning as they work through a real-life design problem and solve it through the steps of the engineering design process. They then create a presentation to demonstrate their solution to the design problem. This course is an excellent addition to a STEM-centered curriculum.

#### **Course Topics:**

- Engineering & Society • Math & Science in Engineering • Engineering Design Process
- Ergonomics, Ethics, & Liability • Sustainable Design • Modeling & Prototyping

### **Physical Science**

**Credit: 1**

NCAA-Eligible

Physical Science introduces students to the principles of chemistry and physics so that they may develop a better understanding of atoms and chemical and nuclear interactions. Students explore the properties and states of matter and investigate chemical bonds and reactions as well as the development of the periodic table, an outline of modern atomic theory, and organic and nuclear chemistry. Additionally, students study Newton's laws of motion while considering the interactions between motion, forces, energy, and thermodynamics. As a prerequisite to Physical Science,

students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

**Course Topics:**

- Periodic Table • Atomic Structure • Chemical Reactions • Acids, Bases, & Solutions
- Nuclear Chemistry • Motions & Forces • Work & Energy • Thermal Energy & Heat

## Physics

**Credit: 1**

NCAA-Eligible

Physics allows students to advance their knowledge and understanding of concepts in previous general science courses. In this course, students examine classical mechanics, circular motion, analysis of forces, work and energy, waves and sound, light and optics, electromagnetism, and nuclear physics. Physics requires students to use fundamental algebra skills and analytical skills to solve problems and analyze situations.

**Course Topics:**

- Electricity • Momentum • Nuclear Physics • Thermodynamics • Vectors
- Mechanical Energy • Work & Power

## Sports Medicine

**Credit: .5**

Sports Medicine provides students with basic knowledge of the history of sports medicine, the anatomy of the body, and the common injuries that occur in sports. In addition, the course discusses techniques used in sports medicine to train and strengthen the body, treatments for injury and disease, and proper nutrition for athletes.

**Course Topics:**

- Injury Prevention • Injury Assessment • The Muscular System
- The Circulatory System • The Skeletal System • The Nervous System
- Training & Conditioning

## Social Studies

### 1960s America

**Credit: .5**

NCAA-Eligible

1960s America gives students a look at life during this exciting and monumental decade. This course covers the social, political, and cultural movements and changes that occurred in the 1960s. Students explore different historical events and determine how these events impacted American citizens during the decade and afterward. The course also focuses on significant headlines of the 1960s to give students a realistic perspective of this decade.

**Course Topics:**

- Music & Culture of the 1960s • Civil Rights in the 1960s • Vietnam • Feminism • 1968

## **African American History**

**Credit: .5**

NCAA-Eligible

African American History is a survey course that spans the history of America, including ancient African society and culture through the presidency of Barack Obama. Students examine the African American struggle to secure constitutional rights. This course explores the powerful and influential role of African Americans in U.S. history.

### **Course Topics:**

- Triangle Trade • Notable Figures • The Great Depression • Civil Rights Amendments
- Jim Crow Laws • Advances in the Courts

## **American History II – Reconstruction through WWII**

**Credit: 1**

NCAA-Eligible

In American History II – Reconstruction through WWII, students continue to study American history by exploring important historical moments from the Reconstruction era through the end of World War II. Students learn about the industrialization of this growing nation and the economic and social changes it underwent as the nation transitioned from an agricultural society to an industrial society. Students also analyze the challenges the nation faced as it was forced to choose between isolation and involvement in international armed conflicts. This course guides students as they interpret the extraordinary changes the nation went through after the American Civil War and examine how those changes ultimately led to the United States' emergence as an international power at the conclusion of World War II.

### **Course Topics:**

- Election of 1828 • European Colonization of America
- Canada, Central America, & Mexican Independence • Opposing Native Americans
- The Constitution • The Bill of Rights • Civil War • Northern & Southern Advancement
- Immigration • Industrial Revolution

## **American History III – Post WWII to Present**

**Credit: 1**

NCAA-Eligible

In American History III – Post WWII to Present, students conclude their exploration of American history in this last history installment. Students examine the difficulties the United States faced as it became an international military and economic power. They also analyze the Cold War, how the nation redefined itself in the 1950s, the turmoil of the 1960s era, and multiple wars on terror. Students also review significant presidents who implemented monumental policies and changes. This course brings students to present time and covers major contemporary events.

### **Course Topics:**

- Cuban Missile Crisis Causes • Civil Rights Era • Great Society • Space Program 1950s
- Korean War • Ending the Cold War • Wartime Conferences • Obama Presidency

## Economics

Credit: 1

Economics presents basic economic theory to students. They explore the ways in which the economy affects everyday life. Students examine basic economic concepts such as scarcity, opportunity cost, efficiency, and trade-offs as well as the factors of production. Students compare the free market system to other economic systems. This course serves as an introduction and overview of economics.

### Course Topics:

- Wealth Distribution • Financial Markets • Multinational Corporations
- Economics & Democratic Development • Money & Banking • Market Structures
- Supply & Demand • Economic Growth & Stability

## High School Civics and Government

Credit: 1

NCAA-Eligible

High School Civics and Government offers students an introduction to the foundation of the democratic government of the U.S. and the basic principles of the judicial system. In this course, students explore what it means to be a citizen as well as the structure of the legislative, executive, and judicial branches of the U.S. government. Students learn about how these branches work together. Students also look at the characteristics of state and local governments throughout the country to examine the organization and responsibilities of these branches. Students also explore the components of the American economy, including its foundations and how it interacts with other economies of the world.

### Course Topics:

- The Party System • International Relations • Rights & Responsibilities
- Local Governments • Function of Government • The Free Market • The Constitution

## Law

Credit: .5

NCAA-Eligible

In Law, students examine citizen obligations to law enforcement, the court system, and the rules and regulations that all Americans are expected to uphold. They explore the terminology and the regulations that structure and control society. Students study different types of crime and the law enforcement powers that are put in place to regulate and diminish overall crime. Students who are interested in a law career will benefit from learning the law and justice terminology presented in this course.

### Course Topics:

- Citizen Obligations • Law Enforcement Powers • Court Systems • Family Law
- Crimes Against Society • Criminal Law • Civil Law • Purpose of Law
- The Making of Laws

## Political Science

Credit: .5

NCAA-Eligible

Political Science is an introduction to political science as an academic discipline. Students discover the origin, creation, and function of different political systems within the United States and across the globe. Students explore political theories such as systems theory and the social contract theory. Additionally, students examine economic concepts, how countries interact with one another, international governmental organizations and nongovernmental organizations, and the role of media in politics while developing skills in research methodology.

### Course Topics:

- Political Science Concepts • Political Theories • Systems of Government
- Political Culture • Comparative Politics • Economics • Political Methodology

## Psychology

Credit: .5

NCAA-Eligible

In Psychology, students explore the science of explaining and controlling human behavior. Psychology plays an integral part in everyday life because all decisions, relations, and emotions are closely tied to behavior and genetics. Within this course, students look at behavior, and they consider prominent psychologists who have made impressive and monumental discoveries through testing, research projects, and proving theories. Students study everything from the anatomy of the brain to psychological disorders.

### Course Topics:

- Therapy • Disorders • Thinking & Intelligence • Behavioral • Sensation & Perception
- Social Psychology • Psychological Methods

## Sociology

Credit: .5

NCAA-Eligible

In the Sociology course, students explore the various topics and sociological terminology necessary for understanding and exploring the field. Students investigate major sociological perspectives and the famous sociologists who invented and contributed to them. Additionally, students determine how researchers perform valid and reliable sociological studies. This course is ideal for students who are interested in pursuing post-secondary careers in sociology, psychology, law, or other social sciences.

### Course Topics:

- Culture • Social Structure • Socialization • Social Stratification • Race & Ethnicity
- Gender & Age • Family • Research

## World Cultures

Credit: 1

NCAA-Eligible

World Cultures explains global geography, history, and culture to students. In this course, students study the major political powers of each era and discover how the world's earliest civilizations developed through the Age of Exploration to the Industrial Revolution. In the second half of the course, students examine a world at war, navigating the Great War, nationalist movements in Russia and Asia, World War II, the Cold War, Third World independence, and struggles for democracy. The course closes with discussions of current global issues such as terrorism, technology, economy, pollution, and renewable energy.

### Course Topics:

- Early Humans • Ancient Greece • Roman Empire • Crusades • Exploration of Asia
- Renaissance • Enlightenment • Industrial Revolution • World War I • Cold War
- U.S. Pollution

## World Geography

Credit: 1

In World Geography, students explore the principles and tools of geography while examining the world as geographers. Students gain cultural perspective by exploring the physical and human geographical aspects of the United States and Canada in order to analyze cultures based on their surroundings.

### Course Topics:

- Asian Global Connections • India's Growing Economy
- Effects of Populations on Resources • European Geography, Climate, & Vegetation
- Nile Confluence • Colonization • Empires • U.S. Rivers, Lakes, & Physical Features
- Location Earth

## World History

Credit: 1

World History allows students to investigate significant events, people, and places from 1500 AD to modern times. Studying world history allows students to consider the historical relevance of people, places, and events. In this wide-ranging course, students learn how the world and its inhabitants were shaped over time, and, in the process, students gain a better understanding of the role that geography plays in world history.

### Course Topics:

- Modern Africa, Europe, & Asia • Post-WWII • The Cold War
- The Road to Russian Revolution • Expansion of the U.S. • Arts in the Industrial Age
- The Enlightenment • The New World • Religion • War & Arts
- The Beginnings of Civilization

# World Languages

## French I

**Credit: 1**

NCAA-Eligible

French I is an introductory course designed for students who have little or no previous knowledge of the French language and culture. This course allows students to acquire the tools necessary for communication and comprehension of the French language. Students explore the global francophone community, and they compare these different cultures to each other and to their own. This course primes students' fluency through various types of communications.

### Course Topics:

- Making Requests • Home • Food • Weather • Shopping • Clothing • Cognates • Time
- Questions

## French II

**Credit: 1**

NCAA-Eligible

In French II, students have the opportunity to review some of the structures from French I, but they also build their knowledge of the basic and intermediate French concepts. Students review the present tense of regular and irregular verbs, the passé composé with avoir and être, and adjective agreement and placement. Students examine grammatical forms and are challenged to progress in their basic knowledge and speaking capabilities.

### Course Topics:

- Verb Tense • Travel • Questions • Recommendations • Personal Description
- Describing Situations & Processes • Francophone Cultures • Etiquette

## French III

**Credit: 1**

NCAA-Eligible

In French III, students continue their study of the French language and popular French culture. They use larger vocabulary terms and explore a variety of literary texts that include the structures and vocabulary that they are learning. In this course, students study vocabulary, grammar, and culture in context through authentic literary and journalistic texts, putting these items into practice through written and spoken tasks.

### Course Topics:

- The Passive Voice • The Conditional • Historical Events • The Subjunctive
- Current Issues • Narration • Demographics • Dates & Times • Family & People
- The Arts

## German I

**Credit: 1**

NCAA-Eligible

In German I, students are introduced to the basic and fundamental skills necessary for expressing common ideas in the German language. They learn to state daily activities and have an introductory conversation. These concepts build in theme and scope, allowing students to explore topics including daily activities, travel, needs, desires, and preferences in typical and increasingly complex situations. The course provides a realistic context in which students can practice their newly acquired skills. German I also provides a considerably thorough study of grammatical skills, ranging from the most basic sentences to engaging and creative structures dealing with more interesting situations.

### **Course Topics:**

- Personal Information • Interpreting Information • Simple Interactions • The House
- Making Plans • Describing Others • Directions

## German II

**Credit: 1**

NCAA-Eligible

German II provides students with a comprehensive introduction to nouns and verbs and previously learned concepts. Students examine the case systems extensively and focus on verbs throughout this course. They learn different types of verbs and their conjugations in different grammatical tenses such as present, future, past simple, and present perfect. Students practice one of the most challenging aspects of German grammar — verbs with accusative, dative, and genitive prepositions — thoroughly. Students learn a large number of new vocabulary words and idioms to assist in their continual development of language.

### **Course Topics:**

- Employment • Etiquette • Hobbies & Interests • Personal Information
- Reporting Events • Rhetoric • Travel • Weather

## German III

**Credit: 1**

NCAA-Eligible

In German III, students continue their study of the German language and popular German culture. Students use larger vocabulary terms and explore a variety of literary texts that include the structures and vocabulary that they are learning. In this course, students study vocabulary, grammar, and culture in context through authentic literary and journalistic texts, putting these items into practice through written and spoken tasks.

### **Course Topics:**

- Oral Versus Written Narration • Interpreting Opinions • Obtaining Information
- Media Language • Giving Detailed Descriptions • Business & Finances
- Comparing Germany & the U.S. • German-American History
- Applying Academic Standards • Public Sphere



## Mandarin Chinese I

**Credit: 1**

NCAA-Eligible

Mandarin Chinese I is an introductory course to Modern Standard Chinese, which includes the spoken language, Mandarin, and the written language of simplified characters. Students recognize and apply vocabulary in Pinyin and Chinese characters in the context of common themes. In addition to learning the language, students get a glimpse of Chinese culture, history, tradition, and society.

### Course Topics:

- Greetings • Pinyin • Characters • Numbers • Family • Home • School
- Culture Comparisons

## Mandarin Chinese II

**Credit: 1**

NCAA-Eligible

In Mandarin Chinese II, students develop their communication skills through listening, reading, speaking, and writing in the target language. The course presents Modern Standard Chinese, Mandarin, as the spoken language and simplified characters as the written language. Students recognize and apply vocabulary in Pinyin and Chinese characters in the context of common scenarios. Students practice handwriting Chinese characters in complete sentences. Students explore Chinese traditions, language, and society.

### Course Topics:

- Personal Information • Family & Home Life • School & Activities
- Food, Dining, & Etiquette • Clothing & Shopping • Arts & Entertainment
- Environment & Nature • Travel & Transportation • Careers & Future Plans

## Spanish I

**Credit: 1**

NCAA-Eligible

Spanish I provides students with a strong foundation of the Spanish language and its cultural influences. From pronunciation to basic grammar and practical vocabulary, students gain a fundamental understanding of written and conversational Spanish. Students practice pronunciation sounds, greetings and introductions, questions, and present-tense verb conjugation. Students learn how to describe people, school, and pastime activities in addition to likes and dislikes. Spanish I presents information in a fun, interesting format that promotes learning and draws a link between the classroom and real-world situations.

### Course Topics:

- Introductions • Describing People • Home Routine • Places & Directions • Pastimes
- Making Plans • History • Cultural Comparisons

## Spanish II

Credit: 1

NCAA-Eligible

Spanish II is the next course in the Spanish sequence, and this course introduces complex grammatical components such as reflexive verbs and the present progressive, preterite, and imperfect tenses along with idiomatic expressions unique to the Spanish language. Building on an ever-growing lexicon, students incorporate concepts to form questions, express preferences and possession, discuss the past, and describe and compare people, places, and locations. Spanish II continues to build a foundation for students in their pursuit to learn and master the Spanish language.

### Course Topics:

- Narration • Plans & Persuasion • Instructions • Descriptions • Compare & Contrast
- Identify & Summarize • Research • Introductions

## Spanish III

Credit: 1

NCAA-Eligible

In Spanish III, students acquire a more extensive topical vocabulary while gaining a higher understanding of complex grammatical structures, verb applications, and idiomatic expressions. This course allows students to increase their reading and listening comprehension as well as their fluency in speaking and writing in Spanish. Students describe, analyze, summarize, and explain ideas verbally and in writing using the Spanish language.

### Course Topics:

- Technology • Storytelling • Research Report • Personal Description • Past Narration
- Culture & Traditions • Career • Advice

## ELECTIVES

### Advertising

Credit: .5

Throughout the Advertising course, students discover the various ways that advertisements touch their lives. This course presents a comprehensive introduction to the field of advertising, which includes its purpose and the theory behind it. In this course, students learn to identify target markets, distinguish different types of business, and interpret the information they gather to create a winning advertisement plan. Students investigate the needs and wants of both the consumers to whom they are advertising and the companies for which they are creating the advertisement. Lessons cover the basic skills and knowledge required to work in the advertising world and guide students through the creation of a complete advertising plan. Students in this course are presented with a realistic idea of what a career in advertising entails.

### Course Topics:

- Client Relationships • Advertising Strategy • Traditional Media • Creating Print Media
- Designing Radio Advertisements • Making Television Commercials
- Mobile Advertising • Budgeting • Advertising Campaign Plan

## Art Appreciation

Credit: 1

In Art Appreciation, students explore visual art from the ancient world to the present day. Students investigate various topics such as the mysteries surrounding Stonehenge, the lives of famous Renaissance artists, the way celebrities influenced the Pop Art movement, and the reasons why public memorials are created. This course highlights the important connections between visual art, culture, and human history and allows students to analyze and interpret artworks. Art history comes alive as students emulate basic techniques used by well-known artists.

### Course Topics:

- Foundations of Art • Baroque • Contemporary Art • Degenerate Art • Feminism
- Photography • Street Art • Visual Culture

## Art and Visual Culture

Credit: 1

In Art and Visual Culture, students analyze and interpret artwork created by others, examine the concepts of aesthetics and art criticism, and explore the practical application of art in a variety of careers. Art and Visual Culture highlights drawing as a form of communication and introduces students to the elements of art and principles of design through hands-on activities. Students sharpen their observation skills using a variety of art media and become adept at using basic techniques and processes to depict the world around them. Furthermore, students express their thoughts and feelings through art practice and experimentation. This course prepares students to pursue art as an area of study.

### Course Topics:

- Artistic Choices • Applying Art • What is Art? • Art & Culture • Creativity
- The World Around Us • Artistic Foundations

## Business Applications

Credit: .5

In Business Applications, students focus on business software and the corresponding skills required in the business world. The course begins with an overview of computers, including hardware, software, and operating systems. Students explore spreadsheet, word processing, presentation, and database software and discover how to fulfill a customer request using these skills. They also study web-based applications and additional software packages and learn about internet technology. Students investigate common security concerns and discover how to prevent security issues. Finally, students experience the software development cycle, where they learn how various professionals utilize business applications. They also discover the importance of moral and ethical responsibility in an online community. Students must possess basic spreadsheet, word processing, and presentation software skills before entering this course. Additionally, students must be independent learners, comfortable learning new technology and researching software features and functions.

### Course Topics:

- Computer Systems Overview • Database Software • Presentation Software
- Professional Considerations • Security • Web-Based Tools

## Business Management

Credit: .5

Business Management guides students through examples of their roles as wage earners, consumers, and citizens as they explore the wide, exciting world of business. Students examine topics ranging from extensive credit use to the role of government in the U.S. economy. Students are encouraged to take Introduction to Business as a prerequisite to this course, as Business Management dives deeper into the different aspects of managing a business successfully.

### Course Topics:

- Project Management • The Consumer • Human Resource Management
- International Environment • Managerial Roles & Skills • Operations Management

## Career Explorations

Credit: .5

Career Explorations allows students to investigate the necessary steps to prepare for careers that match their interests, abilities, and aptitudes. Students research various careers, their roles in society, job duties, required education and qualifications, salary, and outlook. They acquire job-seeking skills such as resume writing, interviewing, and portfolio development skills. Students discover workplace dynamics, navigate challenging situations, and explore various techniques for advancing in their chosen career field. This course prepares students to manage the financial challenges they face as they prepare for a career and future employment. Students apply newly acquired knowledge and skills in a real-world experience to further solidify future career plans.

### Course Topics:

- Career Preparation • Career Research • Career Acquisition
- Understanding the Workplace • Career Retention & Advancement
- Financial Literacy • Job Shadowing

## Fashion Design

Credit: .5

Fashion Design is an advanced course for students interested in learning the intricate process of how the fashion system works. Students study the fashion business in sequential order from concept to consumer. They examine all of the processes involved in the industry from producing raw materials, apparel, and accessories to the retail stores that sell fashion merchandise to the public. Students learn that the decision-making process is complex and not just about the latest designers, styles, or trends of an era. In this course, students explore the history of fashion, including the looks and creations of every era. They discover the equipment, tools, and fabrics used to create fashion, and they learn how technology is used in fashion. Students have an opportunity to express themselves and their style through the creation of their own fashion design sketches and mood boards. Students learn fashion terminology and how to forecast new and upcoming fashion trends.

### Course Topics:

- Skills in Fashion • Technology & Fashion • Fashion Designing
- Fibers, Fabric, & Fabric Care • History of Fashion • Fashion Industry
- Fashion Careers

## High School Health

Credit: .5

In High School Health, students discover how to make conscientious decisions when attempting to improve their overall health and wellness. From healthy lifestyles, diets, and exercise to responsibilities within individual families and larger communities, topics within the health discipline are pertinent and applicable to all students. Throughout the course, students review concepts that promote safe, healthy, and active lifestyles.

### Course Topics:

- Noncommunicable Diseases • Decision-Making • Nutrition • Communication • Peers
- Family • Health Services • Emotions

## High School Nutrition and Personal Fitness

Credit: .5

High School Nutrition and Personal Fitness helps students to recognize the impacts that nutritional choices and personal fitness play within their lives. Students learn practical ways to control their health through nutrition, exercise, and stress management. Students discover that physical fitness will help them to feel good.

### Course Topics:

- Personal Fitness Planning • Body Composition • Muscular Fitness
- Maximizing Cardio Fitness • Basic Principles of Fitness • Tools for Healthful Eating
- Eating Disorders • Eating for Health

## Human Development and Family Studies

Credit: .5

Human Development and Family Studies gives students the opportunity to explore the basics of human development, parenting roles and strategies, and functioning effectively within the family in today's changing and complex society. This course helps students to develop competencies related to genetics, types of family, and effective communication. They investigate the ways in which humans develop over their lifespan, human relationships, childcare, and child abuse. Students also learn the importance of creating a nurturing and caring home environment.

### Course Topics:

- Parenting Styles • Human Brain • Effective Parenting • Maternal Choices
- Life Span Development • Emotional Factors • Ethical & Legal
- Heredity & Environment

## Introduction to Business

Credit: .5

In Introduction to Business, students explore their roles as wage earners, consumers, and citizens as they discover the wide, exciting world of business. In this introductory course, students investigate topics pertaining to investment strategies and business communications that are vital for success in today's economy. Students analyze the impact of marketing and the role of the government in the realm of business and economy.

### **Course Topics:**

- Business Communication • Human Resources • Business Law
- Business Management • Operations Management • Finance • Customer Relations
- Sales

## **Introduction to Computer Programming**

**Credit: 1**

Introduction to Computer Programming provides a foundation for future programming courses. Students gain a broad overview of computer programming by exploring the logic, thought processes, and basic elements of writing code. As part of this exploration, students examine various programming languages, databases, and the internet. Through this overview of computer programming, students relate the course concepts to daily life by investigating careers in technology and by learning how to responsibly navigate through the digital society.

### **Course Topics:**

- Technology Careers • Data Protection • Programming Process Overview
- Programming Languages • Computational Thinking

## **Introduction to Digital Media**

**Credit: 1**

Introduction to Digital Media provides students with a foundation in graphic arts, sound, and video media. Students explore production and portfolio generation while evaluating and analyzing other artists. Students extend beyond the actual visual demonstrations and review editing images, sound, and video. This introductory course allows students to explore the vast possibilities of digital media, how it is utilized in everyday advertising and art, and where innovation exists within the field.

### **Course Topics:**

- Think Like an Artist • Photoshop • Illustrator • Digital Media Arts • Digital Graphics
- Sound Art • Portfolios

## **Life Skills**

**Credit: .5**

Life Skills provides students with important information that helps them to lead independent and successful lives as adults. In this course, students focus on topics including personal finance, nutrition, and personal development. The useful skills students gain in this course help them to become responsible and proactive young adults.

### **Course Topics:**

- Personal Development • Relationships • Cultures • Communication
- Career, Education, & Work • Personal Finance

## **Marketing**

**Credit: .5**

Throughout the Marketing course, students discover the various ways marketing affects their lives. This course introduces students to the study and implementation

of market analysis, which focuses on identifying customer needs and desires and supplying them with those exact requests. The course provides a solid foundation for students contemplating careers in marketing, advertising, or other business-related and commercial fields.

**Course Topics:**

- Demographics • Branding • SWOT Analysis • Distribution • Pricing • The Customer
- Sales • Advertising

## **Music Appreciation**

**Credit: 1**

Music Appreciation stimulates personal growth when listening to music by exposing students to a large variety of music with provided listening maps indicating applicable music terminology. Students are able to explain personal music preference and identify how music is impacted by technology, social values, and daily life of the composers. Students develop an understanding of composers' intent and the ability to rationalize personal interpretation of music works. Students identify similarities and contrasts in music throughout the eras and determine how previous compositions impact future compositions.

**Course Topics:**

- Medieval Era • Renaissance Era • Baroque Era • Classical Era • Romantic Era
- Romantic Nationalism • 20th Century • Contemporary

## **Physical Education 9**

**Credit: .25**

Physical Education 9 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 9, students must complete 72 hours of organized, supervised physical activity, which they will track using a Movband and document with a Physical Education Log. Students who participate in an organized team sport may choose to complete the Sports Verification Log.

**Course Topics:**

- Jump Rope • Yoga Band • Kettle & Fitness Ball • Resistance Bands
- Soccer Ball & Net

*Please note: Adaptive physical education activities are available for this course.*

## **Physical Education 10**

**Credit: .25**

Physical Education 10 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 10, students must complete 72 hours of organized, supervised physical activity, which they will track using a Movband and document with a Physical

Education Log. Students who participate in an organized team sport may choose to complete the Sports Verification Log.

**Course Topics:**

- Jump Rope • Yoga Band • Kettle & Fitness Ball • Resistance Bands
- Soccer Ball & Net

*Please note: Adaptive physical education activities are available for this course.*

## **Physical Education 11**

**Credit: .25**

Physical Education 11 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 11, students must complete 72 hours of organized, supervised physical activity, which they will track using a Movband and document with a Physical Education Log. Students who participate in an organized team sport may choose to complete the Sports Verification Log.

**Course Topics:**

- Cardiovascular Endurance • Muscular Strength & Endurance • Flexibility
- Body Composition • Medicine & Fitness Ball • Resistance Bands • Slider & Boots
- Games • The FITT Principle • Circuit Training • Training for a 5K

*Please note: Adaptive physical education activities are available for this course.*

## **Physical Education 12**

**Credit: .25**

Physical Education 12 offers students a comprehensive physical education course that focuses on getting students up and moving through a variety of different physical activities. Students may purchase a grade-appropriate physical education kit, which includes equipment designed to work in conjunction with the course content. In Physical Education 12, students must complete 72 hours of organized, supervised physical activity, which they will track using a Movband and document with a Physical Education Log. Students who participate in an organized team sport may choose to complete the Sports Verification Log.

**Course Topics:**

- Cardiovascular Endurance • Muscular Strength & Endurance
- Flexibility • Body Composition • Medicine & Fitness Ball • Resistance Bands
- Slider & Boots • Games • The FITT Principle • Circuit Training • Training for a 5K

*Please note: Adaptive physical education activities are available for this course.*

## **Theatre I**

**Credit: 1**

Theatre I invites students to explore the history of theatre and the basic elements of stage production. The course highlights the technology used to create early and modern stage productions and the basic fundamentals of acting. Theatre I provides



students with a look at production elements such as stage lighting, sound, costume, and makeup. Students learn to apply voice and gesture skills in pantomimed and improvised scenarios, and they receive an overview of the responsibilities of the producer, director, and technical crew of a theatre production. Students develop insight to the motivations of a playwright in the development of a story, and they explore the careers and works of famous playwrights. Theatre I provides a balanced educational experience for all students so that they can gain the inquiry and critical skills involved in clarifying theatrical perceptions and knowledge.

**Course Topics:**

- Makeup for the Stage • Theatre Tech • Defining Your Character
- Anatomy of the Stage • Know Your Audience • Birth of Theatre • American Musical
- Production Budget

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