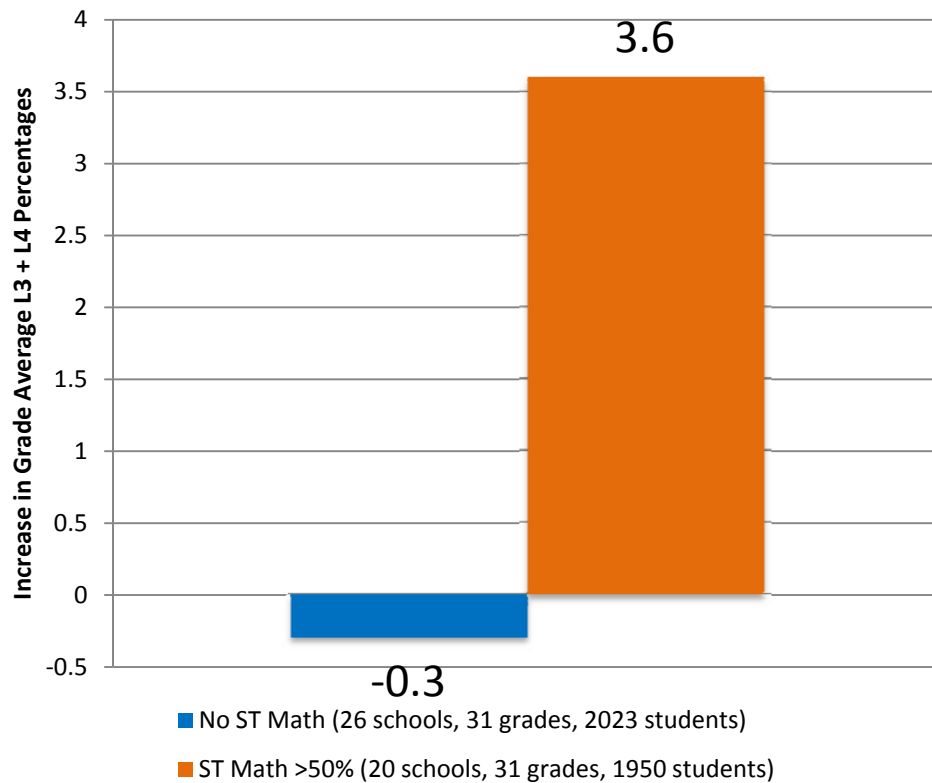


Subjects: MIND Research Institute analyzed partner schools in Minneapolis for grade-average MCA-III math achievement growth between the 2011/12 and 2012/13 school years. All grades 3, 4, or 5 with ST Math usage in 2012/13, with average ST Math program content coverage of at least 50%, and with at least 85% of their students enrolled in the ST Math program were analyzed: altogether 31 grades with 1,950 students at 20 schools. The comparison group is schools randomly selected from comparison districts to have similar grade average MCA-III scale scores to the ST Math using schools, in the baseline 2011/12 school year: 31 grades with 2,023 students at 26 schools. The comparison group did not use the ST Math program at all in 2012/13.

Increase in MCA-III Meets or Exceeds Percentages

Grades 3, 4 and 5
2012/13 vs. 2011/12



Program: In each grade using the program, all students and teachers are licensed to participate. The ST Math® program is based on supplemental math instructional software which covers math standards at each grade level. The software presents the mathematics as a year-long curriculum of interactive, animated visual diagrams, or puzzles, for the students to solve. The students use the self-starting, self-paced instructional software twice per week under the teacher's supervision. The teacher is trained to also use the software's visual representations of mathematics concepts during regular classroom lessons, to connect to conventional language-intensive math instruction.

Data Collection: Grade-average MCA-III math scores, achievement level percentages, and student enrollment were collected from the Minnesota Department of Education's website for each school and grade level for the years 2011/12 and 2012/13. The average MIND Research Institute ST Math program content coverage percentage and student enrollment in the ST Math software were collected from MIND's digital usage data for 2012/13.

Analysis Summary: Changes from 2011/12 to 2012/13 in the grade-average math MCA-III L3 & L4 (meets or exceeds standard) percentages were evaluated for the ST Math group, and also for the comparison group of schools. Grade-wise growth was evaluated (i.e. growth in same grade, same school, from 2011/12 to 2012/13) and then aggregated across schools and grades.

Results: The grades implementing ST Math on average grew 3.6 points in the MCA-III math proficiency percentages, as compared to a decrease of 0.3 points for the comparison group of similar grades in comparison districts (p-value = 0.16).