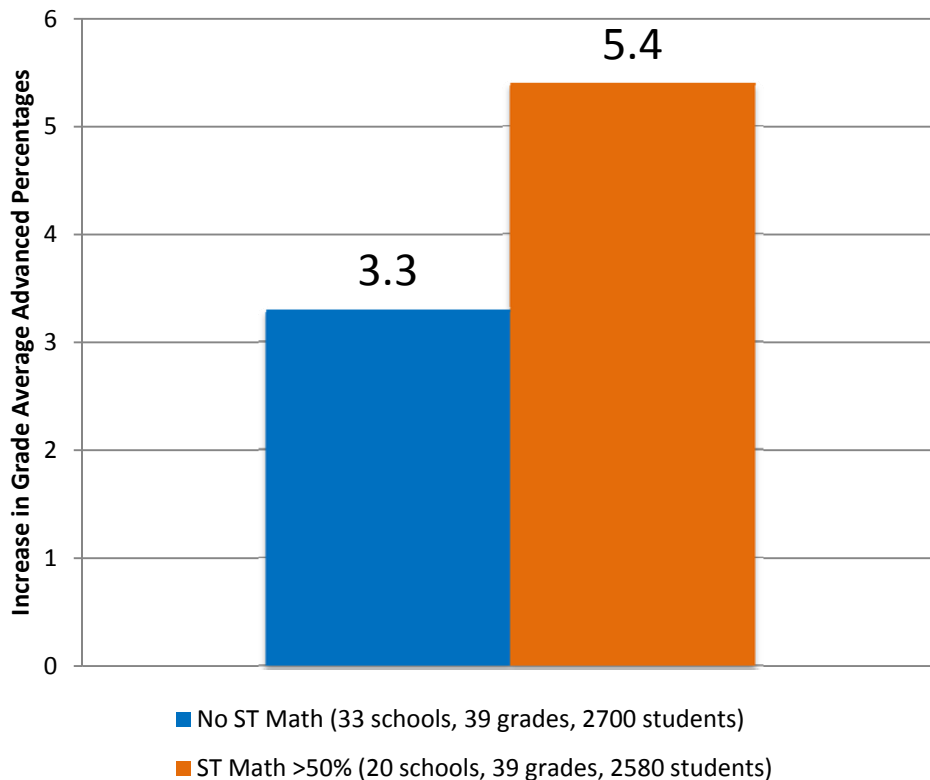


Subjects: MIND Research Institute analyzed partner schools from its Seattle Math Initiative grants program for grade-average MSP math achievement growth between the 2011/12 and 2012/13 school years. All grades 3, 4, or 5 with ST Math usage in 2012/13, with average ST Math program content coverage of at least 50%, and with at least 85% of their students enrolled in the ST Math program were analyzed: altogether 39 grades with 2,580 students at 33 schools. The comparison group is schools randomly selected from multiple districts to have similar grade-average MSP math performance to the ST Math using schools in the baseline 2011/12 school year: 39 grades with 2,700 students at 33 schools. The comparison group did not use the ST Math program at all in 2012/13.

**Increase in MSP Math Advanced 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 MSP achievement level percentages, and student enrollment were collected from the Washington OSPI 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 MSP math Advanced level percentages (exceeding state standard) 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 5.4 points in the MSP math Advanced percentages, as compared to an increase of 3.3 points for the comparison group of similar grades in comparison districts (p-value = 0.62).