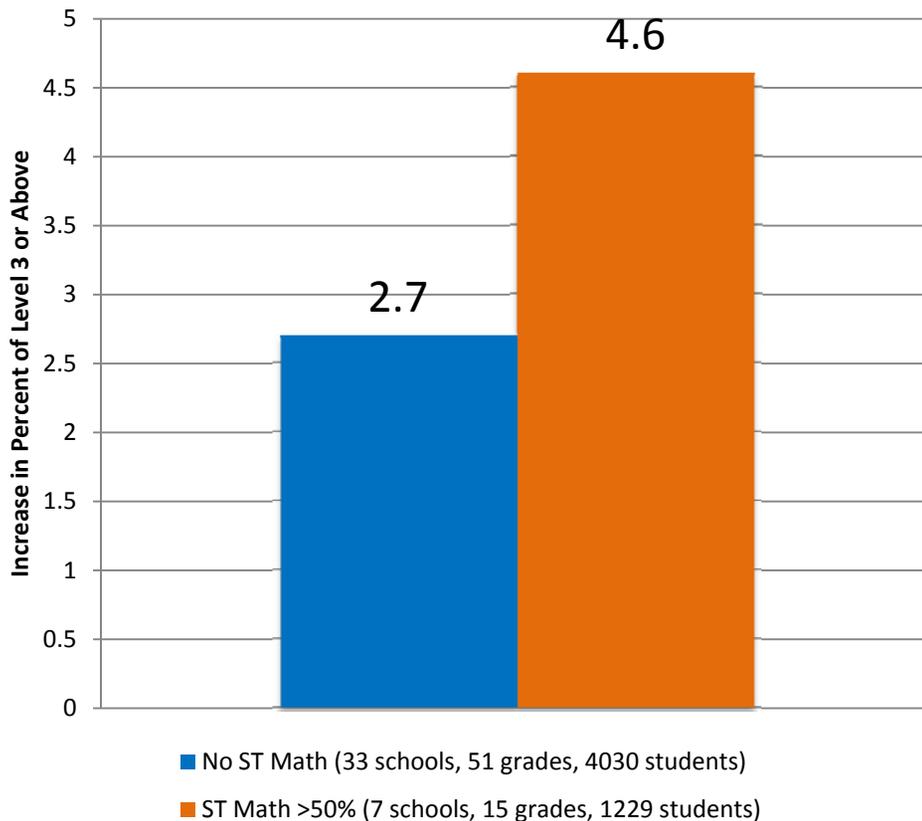


Subjects: MIND Research Institute analyzed schools in Pinellas County, Florida for grade-average FCAT 2.0 math achievement growth between the 2011/12 and 2012/13 school years. All grades 3,4, or 5 with ST Math usage in 2012/13, with average ST Math program content coverage of at least 50%, and with at least 85% of their students enrolled in the ST Math program were analyzed: altogether 15 grades with 1229 students at 7 schools. A ceiling of 45% Level 3 or above grade average performance in the baseline year of 2011/12 was used for the entire dataset including controls. The comparison group used was all other such grades in Pinellas County Schools, which did not use the ST Math program at all in 2012/13: 51 grades with 4030 students at 33 schools.

**Increase in Percent Students FCAT 2.0 Math
Level 3 or Above 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: The grade-average FCAT 2.0 math achievement level distributions and student enrollment were collected from the Florida Department of Education's website for each district school and grade level for the years 2011/12 and 2012/13. Each year the data indicate the percentage of students at each grade at each school who tested into the 5 different levels of FCAT 2.0 math achievement. 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 percent of students at the top 3 achievement levels, Level 3, 4, or 5, 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 4.6 points in the percentage of students at Level 3 or above, as compared to 2.7 points for the comparison group of similar grades in Pinellas County Schools (p=0.51).