



Algebra I, Algebra II, & Geometry Curriculum Evaluation

Many Schools Are Not Addressing All of the Topics on the SAT

- › We'll let you know which of the topics you're planning to teach appear on the test.
- › We'll let you know how much weight each of those topics carry.
- › We'll let you know if the math books that you are using present the math as it is presented on the SAT.
- › We'll let you know if your curriculum is missing topics that appear on the SAT.



Renaissance Learning's Star Custom

We can create, calibrate and upload summative assessments for Algebra I and Algebra II that are aligned with the Common Core and the SAT. The tests will not only project how students are likely to perform on the SAT, but they will pinpoint the math topics that require additional instruction. We can also prepare and upload pre-tests, mid-terms and formative assessments. We can do this for elementary and middle school math classes as well.



Our Team

For the last 13 years, our math team has helped area schools and students to improve their SAT scores. Our math program is directed by Michael Kapernaros, Macalester College, and Zachary Rosensohn, Wesleyan University. Michael and Zachary tutor students individually and in classroom settings. They also regularly lead teacher in-service workshops because they believe doing so is the best way to know how teachers and students are responding to the material on the redesigned SAT. The team stands on the shoulders of Regis Stirling, who taught math at Lyme-Old Lyme HS for 32 years; Katherine Ryan, Harvard University; and Gary Burgard, Yale University, who provided enormous insight on how to help students improve their math skills and SAT scores.

Send us an email:

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Give us a call:

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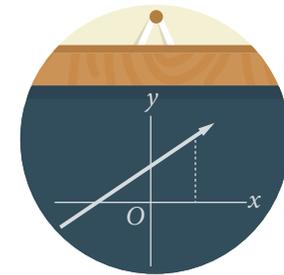


We Offer

- › Curriculum analysis
- › PSAT / SAT analysis
- › Full or half-day In-Service at schools
- › Weekly math classes at high schools
- › Monthly meetings with math departments
- › After-school SAT classes
- › Crash Courses
- › Summer programs

We Help Schools To Increase Their SAT Math Scores

College Planning Partnerships



- › PSAT/SAT Analysis
- › Curriculum Evaluation
- › Diagnostic Testing
- › Teacher In-Service
- › Student Instruction
- › Star Custom™ Support



Founded 2003

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Whether You Need a Small Push or a Lot of Work, We Can Help You



1 Identify

We analyze PSAT 8/9, PSAT, and SAT schoolwide reports, and identify the topics that need to be addressed.

A close analysis of the reports often reveals:

- › Students picking the same wrong answer choices, making the same type of errors
- › Material that was not fully explored in class
- › Familiar topics presented in unfamiliar ways
- › Fatigue or apathy
- › Unnecessary errors (racing to finish the test)
- › The need to do more work in class without calculators



2 Analyze

We evaluate your high school math curriculum.

We identify the topics on the SAT that are not covered in the math curriculum.

We advise how much weight each topic carries.

On the former SAT, geometry made up 27 percent of the exam; it now makes up about 7 percent of the exam.

We send written reports with recommendations that can lead to instructional changes. We also present our findings and recommendations to teachers at In-Services.



3 Assess Readiness

Our pre-course assessments help teachers to identify which students are ready for the math that is about to be taught, and which students need remediation. These 40-minute assessments determine whether students have retained the building blocks necessary for course success.

Our assessments also demonstrate if skills have eroded, particularly in schools with semester or trimester calendars.

Teachers can use student-level or class-level reporting to identify the areas that need the most attention, and can create year-end goals accordingly.



4 Prepare

We provide SAT math content to teachers in either a lesson study format or an à la carte format with problems sorted by course and topic. Within CPP's lesson study program, math teachers meet with CPP instructors monthly to explore how best to integrate SAT math seamlessly into their daily coursework.

CPP also provides in-school SAT courses either after school or during the school day. These courses can also include the reading, language, and essay portions of the exam. CPP has thoroughly deconstructed the exam, so its instructors can share with students just how the test poses its problems and how best to respond to them.



5 Measure Success

Students take an end-of-year assessment that projects how well they will perform on SAT math they were taught during the school year. If teachers choose goals at the start of the year based on the pre-course test, the year-end test will provide data to support that they realized their goals.

Each student receives a score report similar to the PSAT report so he/she can gauge his/her ability and determine what areas need attention.

A schoolwide report provides administrators and teachers with both summary and detailed data. This data provides a basis for future goal setting.

We Strongly Recommend Taking the PSAT 8/9

The data is essential for high school math departments because it provides student-level and class-level data about student ability. We recommend that school districts sign their students up for the PSAT 8/9.

CPP can help you to make sense of your PSAT 8/9 data.

Fast Facts About the Redesigned SAT Math

* 35% of the SAT math test is done without a calculator.

* Standard deviation, imaginary numbers and trigonometry are some of the topics on the redesigned SAT that are often not covered prior to March of junior year.

* On the former SAT, geometry made up 27 percent of the exam; it now makes up about 7 percent of the exam.