



Cooper City

High School

College and Career

Readiness – SAT Focus

Creativity, Collaboration, Critical Thinking, Communication



Using PSAT/SAT to Increase Rigor and Achievement – WHY?

- To **prepare** students for college/career and life
- To **align instruction** to rigorous assessments
- To increase **rigor** in instruction and clarify perspective regarding rigor
- To make **requirements** of standards clear
- To create a **culture** of college readiness
- To Increase student **achievement** on FSA and SAT

Barriers we may face to implement alignment to PSAT & SAT

We don't want to teach to the test

Teach standards and content: but assess the way students will be assessed and at appropriate level of rigor.

It takes too long to create an aligned test

Don't reinvent the wheel. Use the test questions from the practice PSAT.

Lowest quartile students will become too frustrated

Scaffold skills, give fewer questions, but don't teach at a lower level of rigor. Students need consistent exposure to rigor. In addition, a little guided struggle helps increase student stamina.

Benefits of SAT

- **Builds Skills Over Time**
 - **PSAT 8/9**
 - Taken in the **8th** and **9th** grade, the PSAT 8/9 establishes a baseline measurement of **college and career readiness** as students enter high school. It helps students and educators determine what students need to work on most.
 - **PSAT/NMSQT**
 - Serve as check-ins on **student progress** and pinpoint areas for development. Students can take the PSAT/NMSQT in the fall of **10th** and **11th** grade.
 - **SAT**
 - Connects students to **college + scholarships**. Taken in **March of 11th** grade.
- **Opens Doors to College**
 - **College Admission**
 - **Scholarship**

Scholarships

- **Connects Students to Scholarship Opportunities**
 - The PSAT/NMSQT is the qualifying test for the **National Merit Scholarship Program**
 - <https://www.nationalmerit.org/s/1758/start.aspx?gid=2&pgid=61>
 - National Merit Finalists and Scholars
 - National Hispanic Scholars
 - National Achievement Scholarship Program
 - SAT Score requirement:
Bright Futures
 - **Florida Academic Scholars (FAS) - SAT= 1290**
 - **Florida Medallion Scholars (FMS)- SAT= 1170**

Florida Academic Scholars (FAS)

Award Amounts

100% Tuition Florida Public college/university

Equal \$ amount as public school for private

- Requirements
- 3.5 Recalculated GPA (extra .50 per full credit for State Honors)
 - 4 English
 - 4 Math (Algebra I and above, NOT Informal Geometry)
 - 3 Science
 - 3 Social Studies
 - 2 World Language
 - May use 2 Additional credits in above areas to raise GPA
- Testing:
 - **SAT= 1290**
 - ACT= 29
- 100 Service Learning Hours
 - Does not include waived hours
 - 18 Credit ACCEL students still need 100 hours



data FAS

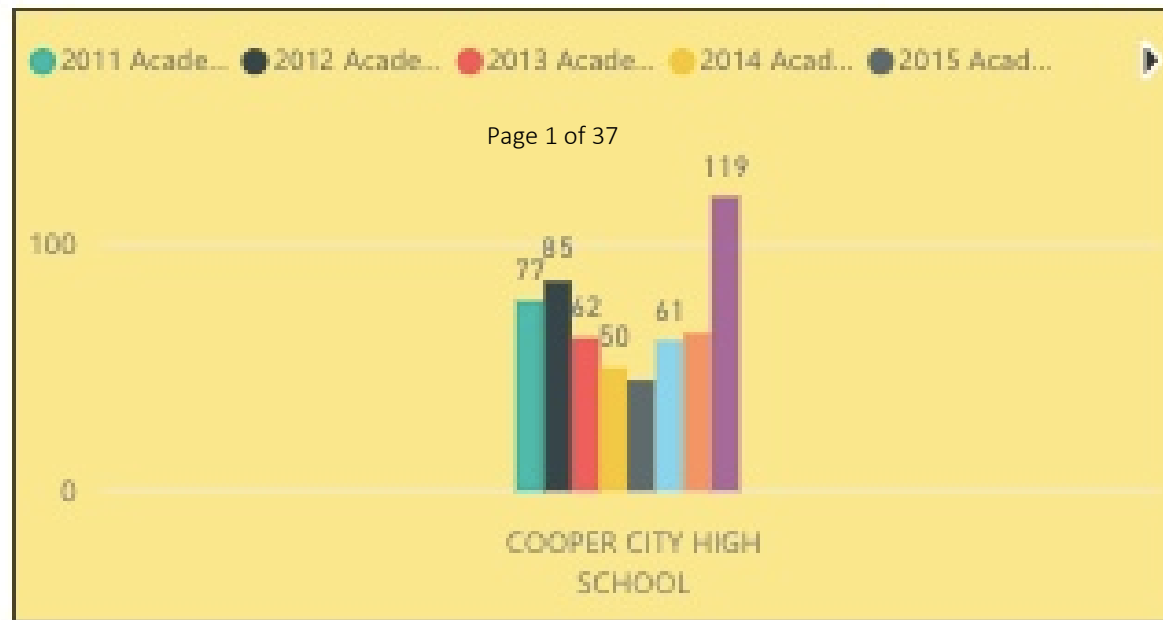
2017 # of Awardees

64

Florida Academic Scholars

2018 # of Awardees

119



Florida Medallion Scholars (FMS)

Award Amounts

75% Tuition Florida Public college/university
Equal \$ amount as public school for private

- Requirements
- 3.0 Recalculated GPA (extra .50 per full credit for State Honors)
 - 4 English
 - 4 Math (Algebra I and above, NOT Informal Geometry)
 - 3 Science
 - 3 Social Studies
 - 2 World Language
 - May use 2 Additional credits in above areas to raise GPA
- Testing:
 - **SAT= 1170**
 - ACT= 26
- 75 Service Learning Hours
 - Does not include waived hours
 - 18 Credit ACCEL students still need 100 hours



data FMS

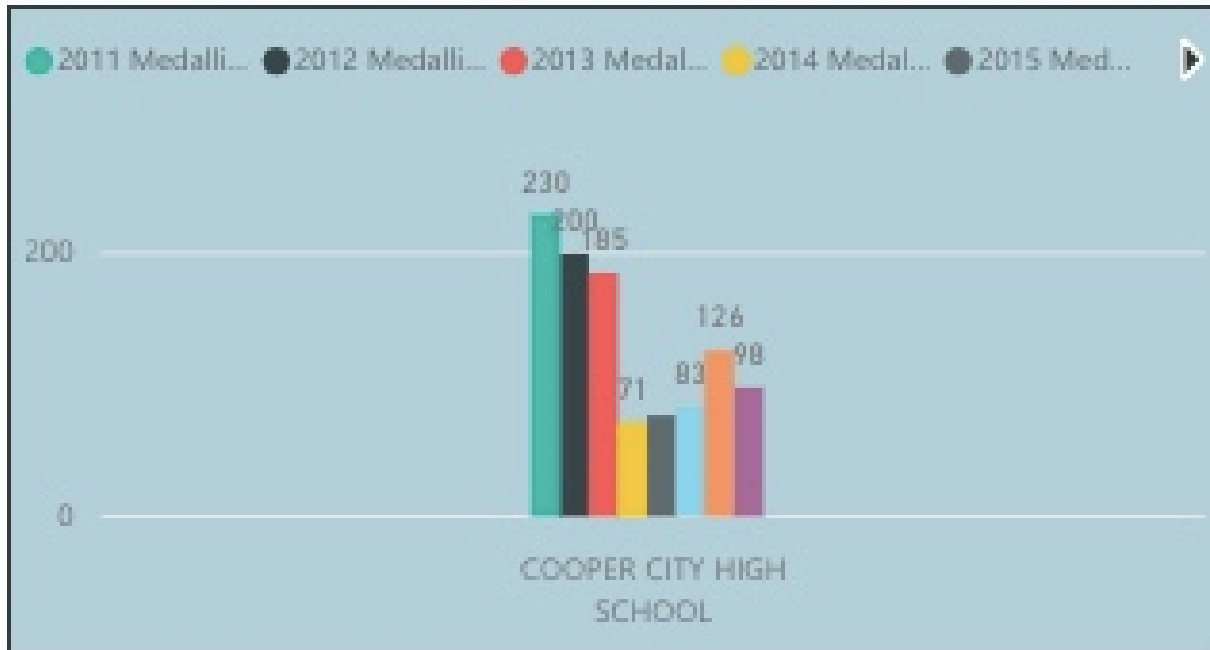
2017 # of Awardees

126

Florida Medallion

2018 # of Awardees

98



Bright Futures Scholarship

- Many students are able to achieve the minimum GPA requirement for Bright Futures, but have difficulty attaining the SAT/ACT score requirement
 - Percentage of GPA eligible students for the Bright Futures Academic Scholars is high at CCHS, but not all received it due to not attaining the **1290 SAT**/29 ACT requirement.
 - Percentage of students GPA eligible for the Bright Futures Medallion Scholars is also high, but not all received it due to not attaining the **1170 SAT**/26 ACT requirement



Despite what this picture suggests, money does not simply grow on trees.

How can we make our students college/university dreams more attainable?

THE FLORIDA COLLEGE SYSTEM

1. Broward College, Fort Lauderdale
2. College of Central Florida, Orlando
3. Daytona College, Daytona
4. Eastern State College, Seaside Beach
5. Eastern Florida State College, Cocoa
6. Edward Ross College, Palm Bay
7. Florida Keys Community College, Key West
8. Florida State College of Fine Arts, Jacksonville
9. Gulf Coast State College, Panama City
10. Hillsborough Community College, Tampa
11. Indian River State College, Vero Beach
12. Florida Institute of Technology, Lake City
13. Lake Bryant State College, Leesville
14. Miami Dade College, Miami
15. North Florida Community College, Weston
16. Northwest Florida State College, Nocatee
17. Palm Beach State College, Lake Park
18. Pensacola State Community College, Pensacola
19. St. Johns River State College, St. Cloud
20. Santa Fe College, Gainesville
21. Southern State College of Florida, Seville
22. South Florida State College, Avon Park
23. St. Johns River State College, Palmdale
24. St. Petersburg College, St. Petersburg
25. State College of Florida, Sebastian, Ft. Pierce, and Lakeland
26. Tallahassee Community College, Tallahassee
27. Valencia College, Orlando

FLORIDA A&M RATTTLERS

UNF UNIVERSITY of NORTH FLORIDA

New College of Florida THE HONORS COLLEGE of Florida

UCF KNIGHTS

FAU FLORIDA ATLANTIC

FLORIDA STATE UNIVERSITY

WEST FLORIDA ARGONAUTS

FIU

FGCU

USF

FLORIDA POLYTECHNIC UNIVERSITY

Focus on SAT-Prep!

- Benefits of improved SAT scores:
 - Students have a greater chance of being accepted at their **university of choice**
 - Students who are having difficulty meeting the required score on FSA/ELA and/or Algebra 1 may meet the requirement via SAT concordant scores (current 10th, 11th, 12th graders). Students *see value* in the PSAT/SAT tests, therefore they put more emphasis into preparation
 - New Rules for concordant scores starting this year for **current 9th graders (Cohort 2022) and on:**
 - Concordant Scores for FSA ELA Grade 10: **480 SAT** EBRW/ 18 ACT
 - Comparative Scores for FSA Algebra 1 EOC: **420 SAT math**/ 16 ACT
 - Practicing and improving verbal (EBRW) and math skills will improve quality of work in all classes

SAT Prep

Literacy

Essay & Language

- English Department Writing and Language Test preparation

Reading

All courses (except math)

Add at least one reading comprehension passage with 8-12 questions to tests at least four times per quarter

Literacy Coach is available to assist with passage selection and question design

Math:

Math Department will be responsible for the majority of teaching/test practice

Math tests should follow the question amount/***timing*** of PSAT/SAT and should include both calculator and non-calculator sections

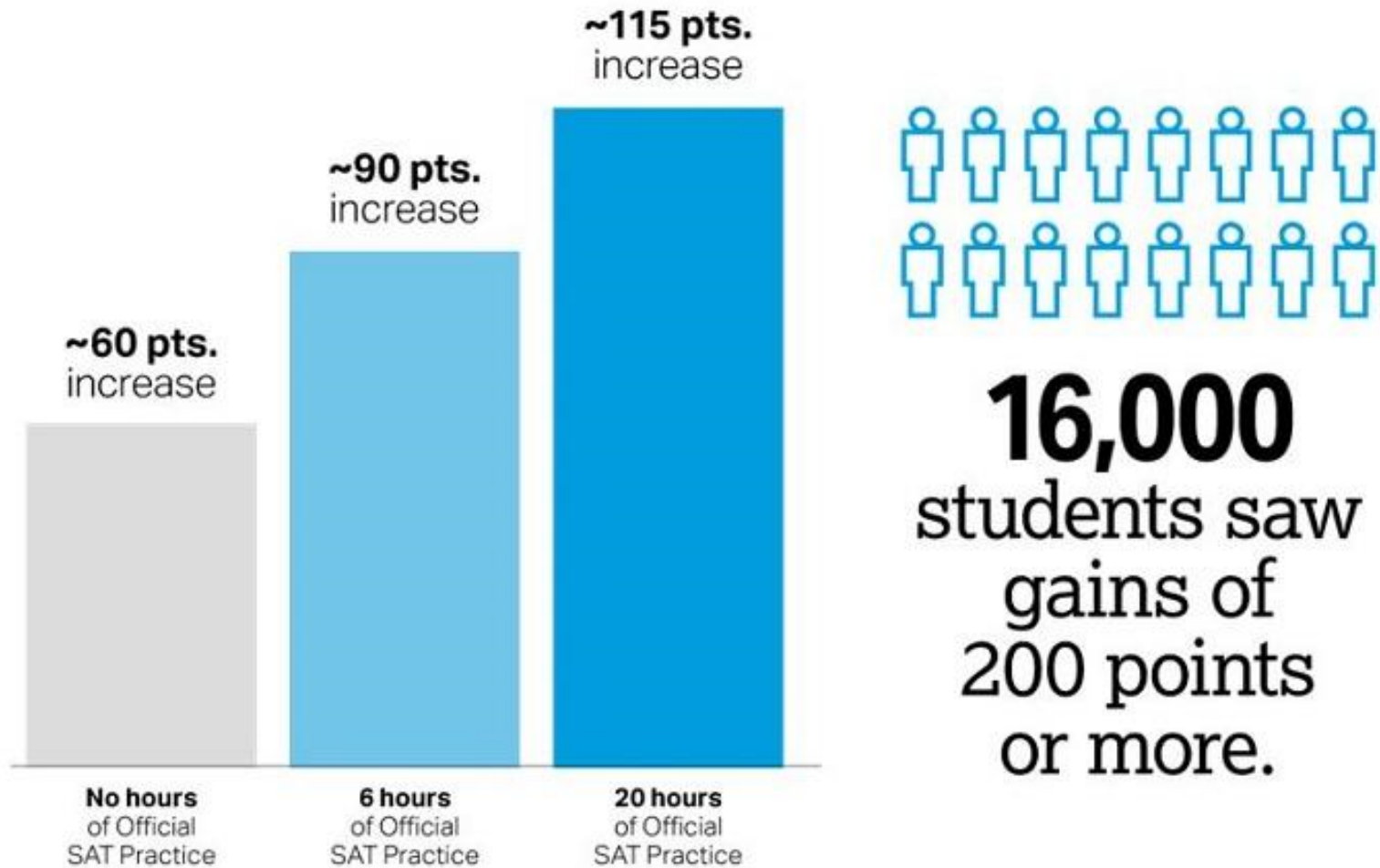
Personalization:

Encourage and provide opportunities for students to practice on Khan Academy

Khan Academy

- **Prepares Students with Practice on Khan Academy -- FREE**
 - Personalized recommendations for instruction and practice to help students fill their knowledge gaps
 - **<https://www.khanacademy.org/sat>**
- Directions on log in:
 - First time users can create an account by using their Google, Facebook or email accounts.
 - Returning users use the Email account/ login and password they used to create the account.

Official SAT Practice on Khan Academy to Substantial Student Score Gains from the PSAT/NMSQT to the Redesigned SAT



Based on 250,000 students from the Class of 2017

Why link Khan Academy and College Board Accounts?

- Linking accounts will further **personalize** students' practice as item-level data from their PSAT/NMSQT or PSAT 8/9 will be used by Khan Academy to generate specific practice recommendations based on an actual exam taken under test-like conditions.
- All future scores from the SAT, PSAT/NMSQT, and PSAT 8/9 will also be sent to help customize their practice and recommendations on Khan Academy.
- Students will be able to jump right into practice without having to take any additional diagnostic quizzes or practice tests to get personalized recommendations.
- How to link:
- <https://www.youtube.com/watch?v=QlkCoQoZ21U>

Practicing on Khan Academy with Personalized Recommendations

- Students start their practice in Math or Evidence Based Reading & Writing.
- The recommendations are based on how students did on the PSAT/NMSQT or PSAT 8/9.
- Keep practicing – with each additional problem and activity the personalization gets stronger and gets students closer to their goal score on the SAT, PSAT/NMSQT or PSAT 8/9.

The screenshot displays the 'Official SAT Practice' dashboard. At the top, there are navigation links for 'Dashboard', 'Practice', 'Tips and Planning', and 'Full Exams', along with a 'CollegeBoard' logo. The main header area features a blue background with a brain icon and various study-related icons. Below this, a 'TODAY'S GOAL' section prompts the user to 'Practice your skills' and offers two buttons: 'Practice Reading & Writing' and 'Practice Math'. The dashboard is divided into several sections: 'Top test scores' with a table showing scores for TOTAL (1280), MATH (600), and READING & WRITING (680); 'Current skill levels' with icons for Math and Reading & Writing; and 'Frequently asked questions' with a link to view full exams and a note about user feedback.

Top test scores			View Full Exams	
TOTAL	MATH	READING & WRITING		
1280	600	680		

Current skill levels		Practice skills	
Math	Reading & Writing		

MATH

READING & WRITING

Your Math practice recommendations

OVERALL
Math



LAST MISSED ON YOUR PSAT

Linear equation word problems

Level 3 questions completed: 0 of 27

Practice this skill



Linear equation word problems



Linear inequality word problems



Graphing linear equations

15 min

TIMED MINI-SECTION
Math (Calculator OK)

Let us know if you [have a problem](#) or [an idea](#) for making this system better!

Or choose from the full list of Math practice and videos

Heart of algebra

These skills focus on linear equations, their graphs, and their applications.

HOW-TO EXAMPLES



Solving linear equations and linear inequalities

Practice



Basic example

Content Alignment

- Reading and Writing
 - Alignment across content areas for Added Rigor
- Math
 - Most of the SAT focuses on algebra, with a smaller portion of geometry and trigonometry, much like high school math classes.

Reading Content Alignment

- **Increasing Text Complexity**

Examples of Progression			
Area of Focus	PSAT 8/9	PSAT 10 AND PSAT/NMSQT	SAT
Inference	Draw a fairly simple, one-step conclusion spelled out clearly in text.	Draw an inference to reach the right conclusion.	Perform several steps to draw the right conclusion.
Relationships	Identify relationships based on multiple, fairly straightforward pieces of information stated in the text.	Infer somewhat more complicated relationships based on more subtle pieces of information stated in the text.	Infer more complex relationships from the text by piecing facts or incidents together.
Graphics	Determine explicit meaning from the graphic or text.	Recognize trends in graphical data.	Synthesize information from a graphic and passage.

Writing and Language Content Alignment

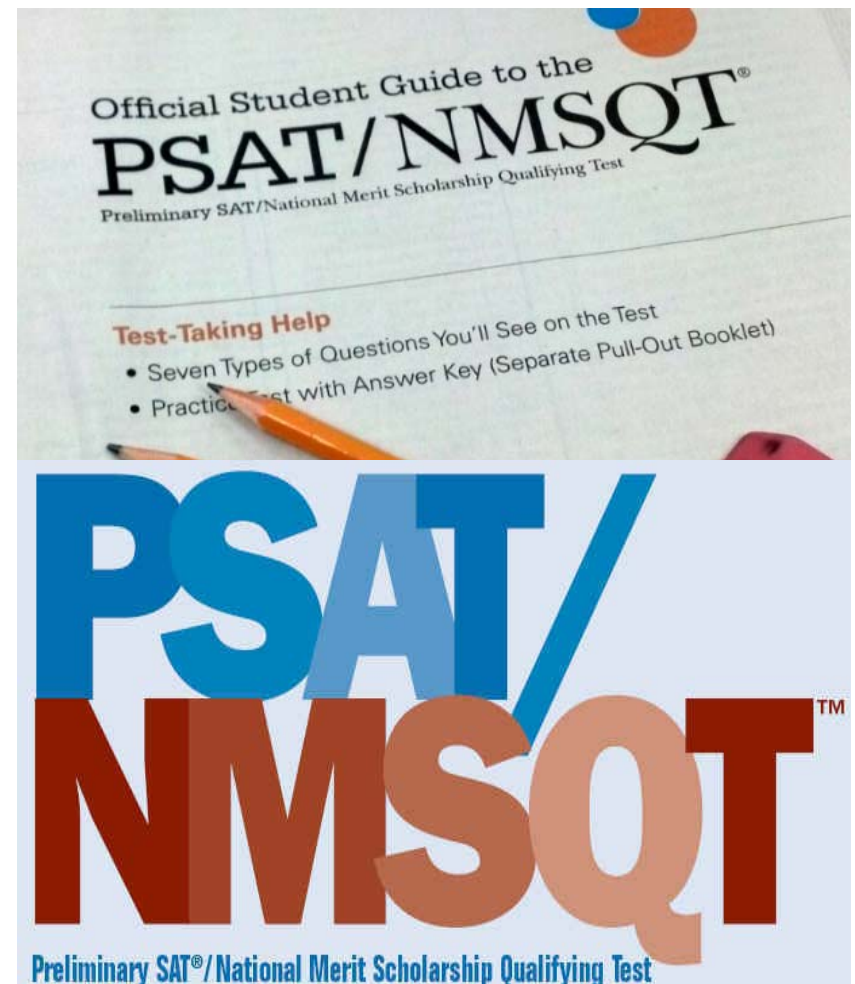
- **Increasing Sophistication**
- Questions ask students to make increasingly sophisticated choices in vocabulary, sentence structure

Examples of Progression			
Area of Focus	PSAT 8/9	PSAT 10 AND PSAT/NMSQT	SAT
Punctuation	Use punctuation effectively in simple contexts, such as using commas to separate items in a list.	Use punctuation effectively in somewhat challenging contexts, such as using a colon to introduce a list.	Use punctuation effectively in challenging contexts, such as using a semicolon to link independent clauses.
Sentence Structure	Edit straightforward sentences that pose some challenge, such as sentences with an introductory phrase.	Edit compound and complex sentences, including sentences with introductory phrases and clauses.	Edit syntactically challenging sentences, such as lengthy sentences that include several clauses.
Graphics	Accurately incorporate basic information from graphics into a text.	Accurately incorporate somewhat detailed or nuanced information from graphics into a text.	Incorporate accurate, specific, and complex information from graphics into a text.

Math Content Alignment

Examples of Progression			
Area of Focus	PSAT 8/9	PSAT 10 AND PSAT/NMSQT	SAT
Complexity	Many items requiring one or two steps to solve.	Many items requiring two or more steps to solve.	Emphasis on multistep problems.
Geometry	May require the use of common geometric equations.	May require the use of common geometric equations and spatial reasoning.	Requires the use of geometry concepts and reasoning.
Probability and Statistics	Includes ratios, proportions, percents, introductory probability, and statistics.	Requires comparing linear and exponential growth.	Includes statistics topics such as sampling and inferring correlation and causation from a research method.
Trigonometry	May require the use of properties of right triangles to solve problems.	Requires the use of trigonometric relationships.	Requires the use of trigonometry.

PSAT: Get Ready for Score Reports



Reports that Inform Instruction

- **STANDARD REPORTS ACROSS THE SAT SUITE OF ASSESSMENTS**

- Student Score Report
- Score Roster Report
- Scores by Institution (School) Report
- *Instructional Planning Report*
- *Question Analysis Report*
- Cohort Longitudinal Report
- Scores by Demographics Report
- Benchmark by Institution and Demographics Report
- Score Trends by Institution Report
- Score Trends by Demographics Report

<https://collegereadiness.collegeboard.org/pdf/redesigned-sat-k12-using-scores-and-reporting-inform-instruction.pdf>


Resources are available by CB


- <https://collegereadiness.collegeboard.org/psat-8-9/k12-educators/resource-library>


<https://collegereadiness.collegeboard.org/psat-8-9/k12-educators/resource-library>

SAT Suite of Assessments SAT ▾ PSAT/NMSQT and PSAT 10 ▾ **PSAT 8/9 ▾** About ▾ For Educators ▾ More ▾

.pdf | 1.26 MB

 **Using Your PSAT 8/9 Scores to Prepare for College**
Use this presentation to show students how to access PSAT 8/9 scores online, understand score reports, and more.
.ppt | 3.88 MB

 **Lesson Plan: Using Your PSAT 8/9 Scores to Prepare for College**
Use this lesson plan, along with its accompanying presentation, to walk students through their score reports.
.pdf | 2.32 MB

 **College and Career Readiness Benchmarks for the SAT Suite of Assessments**
Learn how to use benchmarks, test scores, and subscores to support student success.
.pdf | 281 KB

Contents

- 3 **Lesson Options with Approximate Timing**
- 8 **Section 1: Online Score Reporting**
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USING YOUR PSAT 8/9 SCORES TO PREPARE FOR COLLEGE

Presenter's Notes

SLIDE 2	OBJECTIVE
	Students will understand why the PSAT™ 8/9 is relevant to their high school success.


This slide will provide students with information about the new PSAT 8/9. The PSAT 8/9 is focused on the skills and knowledge they are working on in their classes in school. Students don't need to learn additional facts or formulas in order to be successful. They don't have to worry about "gaming" the test — their scores will be based only on the questions they answer correctly (there is no penalty for wrong answers). Ask students if this information matches their perception of the PSAT 8/9. If students have already taken the assessment, you may want to ask them if they agree with the statements on the slide, or if they would like to comment on their assessment experience with the PSAT 8/9.


Fact Sheets

-  **PSAT 8/9 Assessment Flyer for Educators**

Get to Know the PSAT™ 8/9

- ✦ The PSAT™ 8/9 is highly relevant to your future success because it focuses on the skills and knowledge at the heart of education. It measures:
 - What you learn in high school
 - What you need to succeed in college
- ✦ The PSAT 8/9 measures reading, writing and language, and math skills developed over many years, both in and out of school.
- ✦ The PSAT 8/9 does not ask you to recall facts from literature, history, or science, or to complete math formulas, because it measures your reasoning and critical thinking skills.
- ✦ You don't have to discover secret tricks or cram the night before.
- ✦ There is no penalty for guessing on PSAT 8/9
- ✦ 2 hours 25 minutes





Student Score Report



PSAT™ 8/9 Your Score Report

Your Evidence-Based
Reading and Writing Score

360 | 120 to 720

Your Nationally Representative **20th** Sample Percentile



✓ **You are on track for college readiness.**

Stay on track and continue your progress. Start now with your free, personalized recommendations waiting for you on khanacademy.org/sat.

Your Total Score

780 | 240 to 1440

Your Nationally Representative **23rd** Sample Percentile

Keep in mind, the PSAT™ 8/9, PSAT/NMSQT®, and SAT® are on the same scale.

Your score shows you how you would have scored that day on the PSAT/NMSQT® and SAT®.* How well you do depends on what you do next!

Your Math Score

420 | 120 to 720

Your Nationally Representative **40th** Sample Percentile



! **Your scores indicate you are close to being on track for college readiness, but you need to continue to strengthen your skills.**

Let's get you back on track, so you won't have to take noncredit courses in college. You have free, personalized recommendations waiting for you on khanacademy.org/sat.

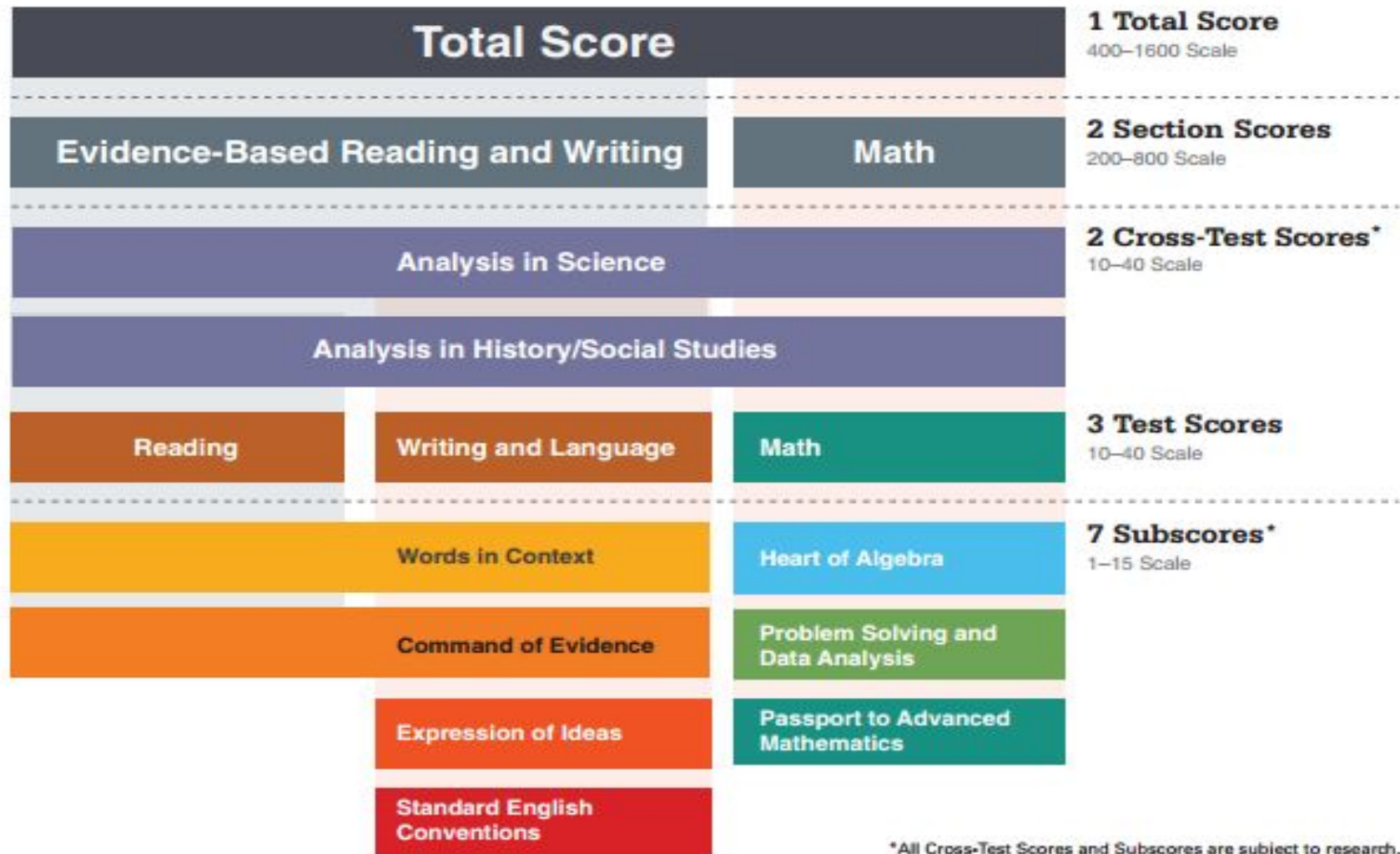
The College and Career Readiness Benchmark

Reaching your grade-level Benchmark means that you are likely on track to be ready to succeed in select first-year, credit-bearing college courses.

■ Need to strengthen skills ■ Approaching Benchmark ■ Meet or exceed Benchmark

*The red, yellow, and green ranges in the test scores and subscores reflect your areas of strengths and weaknesses compared to the typical performance of students in your grade.

Student Score Report



*All Cross-Test Scores and Subscores are subject to research.

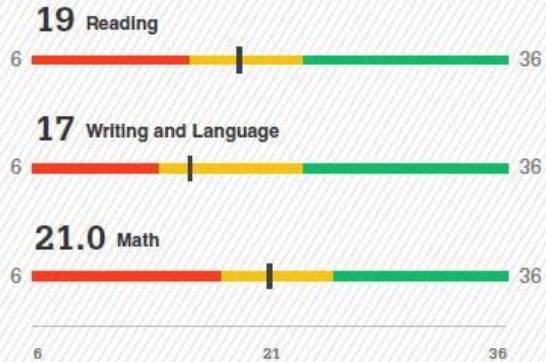
The graphic above shows score ranges for SAT. PSAT-related assessments have slightly different score ranges.

Student Score Report



PSAT™ 8/9 Your Score Report

Test Scores 6 to 36 range*



Cross-Test Scores 6 to 36 range

- 21 Analysis in History/Social Studies
- 22 Analysis in Science

When you take tests more than once, your scores may differ slightly upon each testing occasion. This expected variation is considered your score range and reflects the range your scores will likely fall in upon retesting. For the PSAT™ 8/9 these ranges are approximately:

- Total:** Your score \pm 40 points.
- Section:** Your score \pm 30 points.
- Test Scores and Cross-Test Scores:** Your score \pm 3 points.
- Subscores:** Your score \pm 2 points.

Remember that you will receive scores in the same areas when you take the PSAT/NMSQT and SAT.

Subscores 1 to 15 range*



Ima B. Student

x11.00 in Beginning in March 2016

Student Score Report



Your score indicates that you are already likely able to:

- Revise text as needed to improve the exactness or content appropriateness of word choices within somewhat challenging texts
- Retain or add information or ideas to a piece of a text to support claims or points in somewhat challenging text
- Revise somewhat challenging text to ensure that information is presented in the most logical order
- Revise text as needed to improve the exactness or content appropriateness of word choices within somewhat challenging texts

Reading Test

Improve your skills by focusing on your ability to:



- Retain or add information or ideas to a piece of text to support claims or points in challenging text
- Use a variety of sentence structures to accomplish a rhetorical purpose such as persuading an audience
- Revise text as needed to improve the exactness or content appropriateness of word choices within challenging texts
- Retain or add information or ideas to a piece of text to support claims or points in challenging text
- Use a variety of sentence structures to accomplish a rhetorical purpose such as persuading an audience

Writing and Language Test

- Draw reasonable conclusions from somewhat challenging texts
- Describe the overall structure of a somewhat challenging text
- Identify claims and counterclaims explicitly stated in a somewhat challenging passage
- Revise text as needed to improve the exactness or content appropriateness of word choices within somewhat challenging texts



- Draw reasonable inferences and logical conclusions from challenging texts
- Analyze information presented quantitatively in such forms as graphs, tables, and charts and relate that information to information presented in somewhat challenging text
- Determine how the selection of specific words shapes meaning and tone in a challenging passage
- Use a variety of sentence structures to accomplish a rhetorical purpose such as persuading an audience
- Retain or add information or ideas to a piece of text to support claims or points in challenging text

Math Test

- Interpret a linear inequality in one variable with rational coefficients that represents a context. Select the equation of a line of best fit and interpret the slope and intercept of the line in the context of the situation (when a linear model is appropriate)
- Interpret sample statistics understanding and using margin of error
- Solve and interpret a quadratic function or equation that represents a context and requires multiple steps
- Calculate and interpret frequency distributions using tables and



- Determine how a graph may be affected by a change to its equation
- Determine the value of a constant or coefficient for an equation with no solution or infinitely many solutions
- Using a specified model, make a prediction and compare the predicted values with the actual values in the data set
- Within a context, compare the center of two separate data sets with different spreads

Student Score Report



Reading

Question #	Your Answer	Difficulty	Subscore	Cross-Test Score
1	✓	■ ■ ■		
2	✓	■ ■ ■	COE	
3	✓	■ ■ ■	WIC	
4	✗	■ ■ ■		
5	✓	■ ■ ■	WIC	
6	✗	■ ■ ■		
7	✓	■ ■ ■	COE	
8	✓	■ ■ ■		
9	✓	■ ■ ■		HSS
10	✗	■ ■ ■	WIC	HSS
11	✓	■ ■ ■	COE	HSS
12	✓	■ ■ ■	COE	HSS
13	✓	■ ■ ■		HSS
14	✓	■ ■ ■		HSS
15	✓	■ ■ ■		HSS
16	✓	■ ■ ■	WIC	HSS
17	✓	■ ■ ■		HSS
18	✗	■ ■ ■		SCI
19	✓	■ ■ ■	WIC	SCI
20	✓	■ ■ ■		SCI
21	✓	■ ■ ■	WIC	SCI
22	✓	■ ■ ■	COE	SCI

Writing and Language

Question #	Your Answer	Difficulty	Subscore	Cross-Test Score
1	✓	■ ■ ■	SEC	
2	✓	■ ■ ■	EOI, COE	
3	✓	■ ■ ■	EOI, WIC	
4	✓	■ ■ ■	SEC	
5	✓	■ ■ ■	EOI, WIC	
6	✗	■ ■ ■	SEC	
7	✓	■ ■ ■	EOI, COE	
8	✓	■ ■ ■	EOI	
9	✓	■ ■ ■	EOI	
10	✗	■ ■ ■	SEC	
11	✓	■ ■ ■	SEC	
12	✓	■ ■ ■	EOI, COE	HSS
13	✓	■ ■ ■	EOI, COE	HSS
14	✓	■ ■ ■	SEC	
15	✓	■ ■ ■	EOI	HSS
16	✓	■ ■ ■	SEC	
17	✓	■ ■ ■	EOI, WIC	HSS
18	✓	■ ■ ■	EOI	HSS
19	✓	■ ■ ■	SEC	
20	✓	■ ■ ■	EOI, WIC	HSS
21	✗	■ ■ ■	SEC	
22	✓	■ ■ ■	EOI, WIC	SCI

Math Test – Calculator

Question #	Your Answer	Difficulty	Subscore	Cross-Test Score
1	✓	■ ■ ■	HOA	
2	✓	■ ■ ■	PSD	
3	✓	■ ■ ■	PSD	HSS
4	✗	■ ■ ■	HOA	
5	✓	■ ■ ■	PSD	SCI
6	✗	■ ■ ■	HOA	
7	✓	■ ■ ■	HOA	
8	✓	■ ■ ■	PSD	SCI
9	✓	■ ■ ■	PSD	SCI
10	✗	■ ■ ■		
11	✓	■ ■ ■	HOA	
12	✓	■ ■ ■	PSD	
13	✓	■ ■ ■	PSD	SCI
14	✓	■ ■ ■	PSD	SCI
15	✗	■ ■ ■	HOA	
16	✓	■ ■ ■	PSD	
17	✓	■ ■ ■	HOA	
18	✓	■ ■ ■	PSD	HSS
19	✓	■ ■ ■	PSD	
20	✗	■ ■ ■	PSD	
21	✓	■ ■ ■	PSD	HSS

Math Test – No Calculator

Question #	Your Answer	Difficulty	Subscore	Cross-Test Score
1	✓	■ ■ ■	HOA	
2	✓	■ ■ ■	HOA	
3	✗	■ ■ ■	HOA	
4	✓	■ ■ ■	HOA	
5	✓	■ ■ ■		HSS
6	✗	■ ■ ■	HOA	
7	✓	■ ■ ■		
8	✓	■ ■ ■		
9	✓	■ ■ ■	HOA	
10	✗	■ ■ ■		SCI
11	✓	■ ■ ■	HOA	
12	✗	■ ■ ■		
13	✓	■ ■ ■	HOA	

Key:

- ✓ Correct
- ✗ Incorrect
- ∅ Omitted
- U Unscorable
- ■ ■ Easy
- ■ ■ Medium
- ■ ■ Hard

Subscore:

- COE Command of Evidence
- WIC Words in Context
- EOI Expression of Ideas
- SEC Standard English Conventions
- HOA Heart of Algebra
- PSD Problem Solving and Data Analysis

Cross-Test Score:

- HSS Analysis in History/Social Studies
- SCI Analysis in Science

Key:

- ✓ Correct
- ✗ Incorrect
- ∅ Omitted
- U Unscorable
- ■ ■ Easy

PSAT 8/9 alignment to Florida Standards



Florida Grade 6 Math Standards: Ratios and Proportional Relationships	PSAT 8/9 Math Test
Understand ratio concepts and use ratio reasoning to solve problems.	
<p>1. Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. <i>For example, "The ratio of wings to beaks in the bird house at the zoo was 2:1, because for every 2 wings there was 1 beak." "For every vote candidate A received, candidate C received nearly three votes."</i></p>	<p>Problem Solving and Data Analysis</p> <p>Ratios, rates, proportional relationships, and units</p>
<p>2. Understand the concept of a unit rate a/b associated with a ratio $a:b$ with $b \neq 0$, and use rate language in the context of a ratio relationship. <i>For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is $3/4$ cup of flour for each cup of sugar." "We paid \$75 for 15 hamburgers, which is a rate of \$5 per hamburger."¹</i></p>	<p>Problem Solving and Data Analysis</p> <p>Ratios, rates, proportional relationships, and units</p>
<p>3. Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.</p> <p>a. Make tables of equivalent ratios relating quantities with whole-number measurements. find</p>	<p>Problem Solving and Data Analysis</p> <p>Ratios, rates, proportional relationships, and units Percentages</p>

PSAT/NMSQT alignment to Florida Standards



Math Alignment: Florida's Standards and PSAT/NMSQT and PSAT 10

The alignment between the Florida Standards for High School Mathematics and the PSAT/NMSQT and PSAT 10 Math Test is shown in tables 26 and 27. Table 25, Florida High School Math Standards Alignment: FL to PSAT/NMSQT and PSAT 10, details the Florida–PSAT/NMSQT and PSAT 10 alignment using Florida's standards as the organizing principle. A standard is considered aligned if the content covered by the Florida standard is measured on the PSAT/NMSQT and PSAT 10. For those standards that are covered, the PSAT/NMSQT and PSAT 10 content dimensions are presented in the right-hand column. If the PSAT/NMSQT and PSAT 10 column is blank, the knowledge or skill covered by the standard is not assessed on the PSAT/NMSQT or PSAT 10.

Table 27, Florida High School Math Standards Alignment: PSAT/NMSQT and PSAT 10 to FL, shows the PSAT/NMSQT and PSAT 10–Florida alignment using PSAT/NMSQT and PSAT 10 content specifications as the organizing principle. In this table, the complete PSAT/NMSQT and PSAT 10 content specifications are shown with the relevant Florida standards aligned to each PSAT/NMSQT and PSAT 10 content dimension.

Table 26: Florida High School Math Standards Alignment: FL to PSAT/NMSQT and PSAT 10

Florida High School Math Standards: Number and Quantity	PSAT/NMSQT and PSAT 10 Math Test
N-RN The Real Number System	
Extend the properties of exponents to rational exponents.	
1. Explain how the definition of the meaning of rational exponents follows from extending the properties of integer	

SAT alignment to Florida Standards

Math Alignment: Florida's Standards and SAT

The alignment between the Florida Standards for High School Mathematics and the SAT Math Test is shown in tables 15 and 16. Table 15, Florida High School Math Standards Alignment: FL to SAT, details the Florida-SAT alignment using Florida's standards as the organizing principle. A standard is considered aligned if the content covered by the Florida standard is measured on the SAT. For those standards that are covered, the SAT content dimensions are presented in the right-hand column. If the SAT column is blank, the knowledge or skill covered by the standard is not assessed on the SAT.

Table 16, SAT Math Test Alignment: SAT to FL, details the SAT-Florida alignment using SAT content specifications as the organization principle. In this table, the complete SAT content specifications are shown with the relevant Florida standards aligned to each SAT content dimension.

Table 15: Florida High School Math Standards Alignment: FL to SAT

Florida High School Math Standards: Number and Quantity	SAT Math Test
N-RN The Real Number System	
Extend the properties of exponents to rational exponents.	
1. Explain how the definition of the meaning of rational exponents follows from extending the properties of integer exponents to those values, allowing for a notation for radicals in terms of rational exponents.	
2. Rewrite expressions involving radicals and rational exponents using the properties of exponents.	Passport to Advanced Math Equivalent expressions

The PSAT Data is Rich!

- Student Performance
- Question Analysis
- Instructional Planning Report
- Scores Scaled to SAT
- NMSQT for 11th Grade
- Khan Academy Customized SAT Prep



Table Talk – 3 Minutes

How can we use PSAT data along with FSA data to drive our instruction?





2018-2019 SAT & ACT Test Dates
Cooper City High School
CEEB Code 100-286

*Free On Site
Administration of the
SAT for ALL Juniors in
March*

ACT

Register at: <http://www.actstudent.org/>

<u>Test Date</u>	<u>Registration Deadline</u>	<u>Late Fee Required</u>
September 8	August 10	Aug 11-26
October 27	September 28	Sept 29-Oct 14
December 8	November 2	Nov 3-19
February 9	January 11	Jan 12-18
April 13	March 8	March 9-25
June 8	May 3	May 4-20
July 13	June 14	June 15-24

SAT

Register at: <http://sat.collegeboard.org/home>

<u>Test Date</u>	<u>Registration Deadline</u>	<u>Late Fee Required</u>
August 25	July 27	July 28 – Aug 15
October 6	September 7	Sept 8-26
November 3	October 5	Oct 6-24
December 1	November 2	Nov 3-20
March 9	February 8	Feb 9-27
May 4	April 5	April 6-24
June 1	May 3	May 4-22