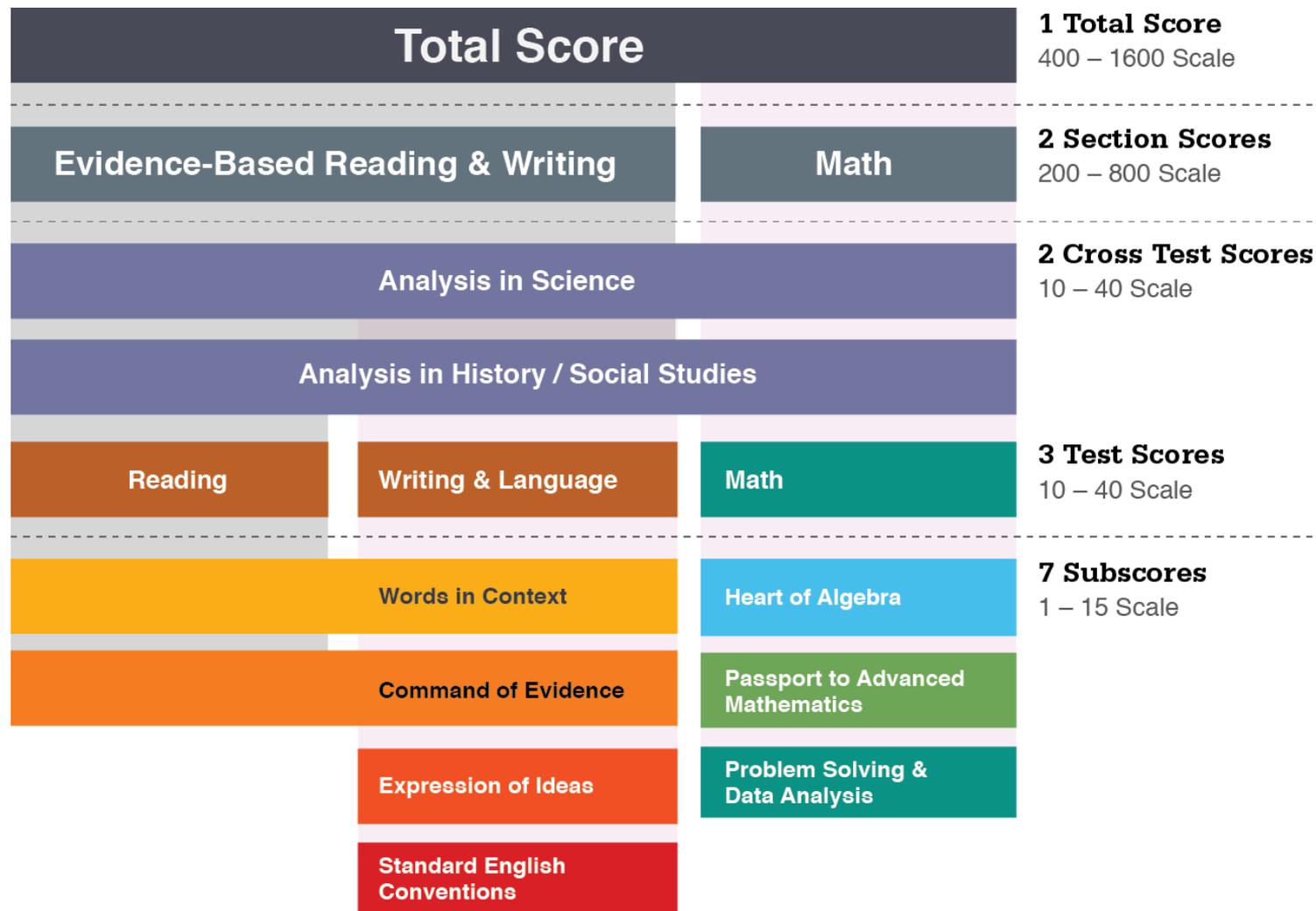




# SAT Suite of Assessments – Score Reporting

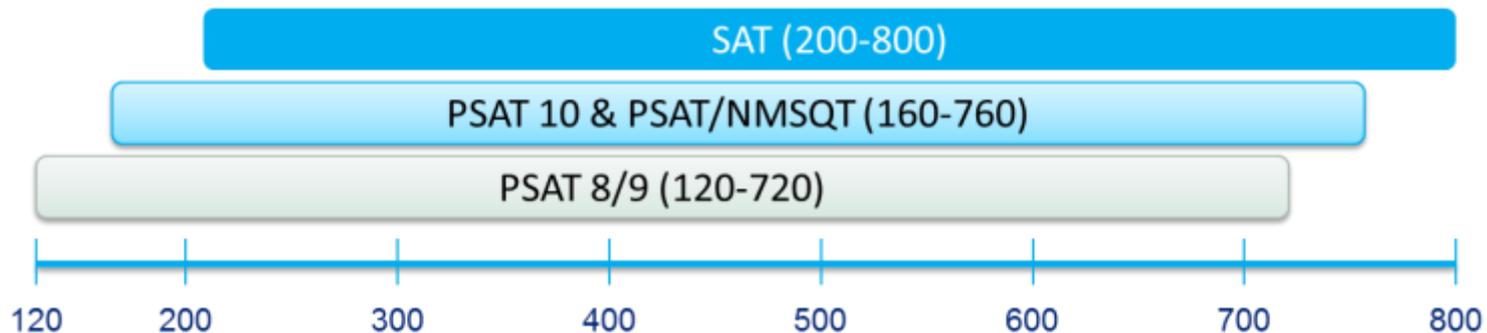
2015-16

# SAT Scores and Subscores

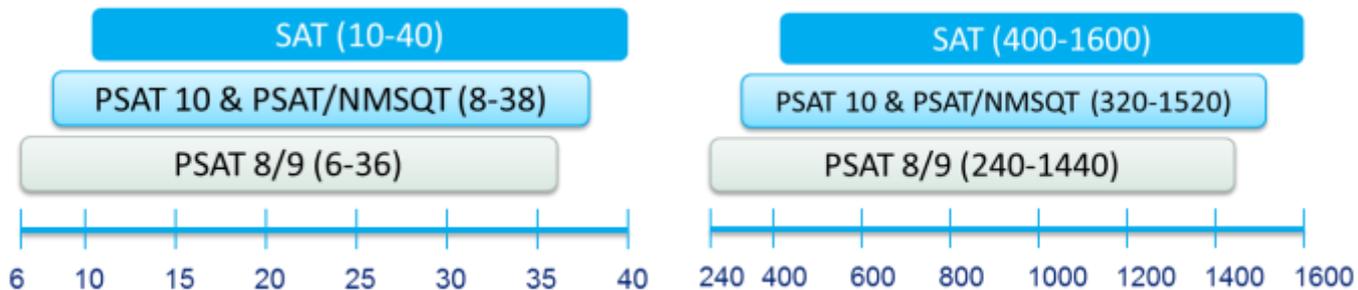


# Longitudinal Progress Monitoring

- + Section Scores will be placed on a vertical scale.



- + This same concept will hold true for the **Test and Cross-Test Scores** as well as **Total Score**.



# SAT Essay Scores

+ Essay scoring will consist of 3 subscores:

**Reading**

2 – 8 Scale

**Analysis**

2 – 8 Scale

**Writing**

2 – 8 Scale

# SAT Essay Rubric

**Complete Rubric:** <https://collegereadiness.collegeboard.org/sat-suite-assessments/practice/essay/scoring>

Score Point	Reading	Analysis	Writing
4	<p>Advanced: The response demonstrates thorough comprehension of the source text.</p> <p>The response shows an understanding of the text's central idea(s) and of most important details and how they interrelate, demonstrating a comprehensive understanding of the text.</p> <p>The response is free of errors of fact or interpretation with regard to the text.</p> <p>The response makes skillful use of textual evidence (quotations, paraphrases, or both), demonstrating a complete understanding of the source text.</p>	<p>Advanced: The response offers an insightful analysis of the source text and demonstrates a sophisticated understanding of the analytical task.</p> <p>The response offers a thorough, well-considered evaluation of the author's use of evidence, reasoning, and/or stylistic and persuasive elements, and/or feature(s) of the student's own choosing.</p> <p>The response contains relevant, sufficient, and strategically chosen support for claim(s) or point(s) made.</p> <p>The response focuses consistently on those features of the text that are most relevant to addressing the task.</p>	<p>Advanced: The response is cohesive and demonstrates a highly effective use and command of language.</p> <p>The response includes a precise central claim.</p> <p>The response includes a skillful introduction and conclusion. The response demonstrates a deliberate and highly effective progression of ideas both within paragraphs and throughout the essay.</p> <p>The response has a wide variety in sentence structures. The response demonstrates a consistent use of precise word choice. The response maintains a formal style and objective tone.</p> <p>The response shows a strong command of the conventions of standard written English and is free or virtually free of errors.</p>

# Delivering Scores

---

- ▶ Student Reporting Portal
  - ▶ A centralized portal for students to access their PSAT 8/9, PSAT/NMSQT, PSAT 10, and SAT score reports.
- ▶ Educator Reporting Portal
  - ▶ A centralized portal for schools, districts, states
    - ▶ Report Center: Reporting tools allow educators to configure and run online reports, apply filters for data analysis, and print student reports
    - ▶ Download Center: Data files available to manage electronic score downloads – manual and automatic
- ▶ Paper Score Reports

# Student Reports

# Assessments Score Reporting Data Portal

- + Student Reports
  - Central location to access all College Board's SAT Suite of Assessment reports:
    - PSAT/NMSQT, PSAT 8/9 – In Fall 2015
    - SAT, SAT Subject, PSAT 10 – In Spring 2016
  - Replaces current My College QuickStart
  
- + Report samples reflect PSAT/NMSQT however reporting will be consistent for SAT as well.

# Student Score Reports

## Student Report Demo Site

- ▶ To see an example of what the online student You can access the student reporting demo site by going to:  
**studentscores.collegeboard.org/viewscore**

The screenshot shows the 'My Score Reports' page for a student named Ima. The page displays the following information:

- PSAT/NMSQT** (Fall 2015) for **11th Grade**.
- 860** Total Score (with a 'View Details' button).
- 380** Evidence-Based Reading and Writing score.
- 480** Math score.
- A note: "Keep in mind, the PSAT/NMSQT and SAT are on the same scale. Your score shows you how you would have scored that day on the SAT. How well you do depends on what you do next!"
- Four navigation buttons: SAT Registration, SAT Practice on Khan Academy®, College Search, and Scholarships.
- A section for "Your Past Score Results" with a search input field.

# Student Reports - Dashboard

- + Consolidated view of all assessment scores
- + Brief overview of each assessment including grade and year taken plus top level section scores
- + Includes pre-2015 PSAT/NMSQT scores
  - 'Report Details' less detailed for pre-2015 PSAT/NMSQT

The screenshot displays the CollegeBoard Student Reports Dashboard. At the top, there is a navigation bar with the CollegeBoard logo and links for SAT, AP, College Planning, College Search, Store, and More. Below this is a secondary navigation bar with 'My Suite of Assessments', 'Score Reports' (selected), 'Practice', 'Popular Tools', and 'Register for the SAT'. There are also icons for Calendar, Resources, and Help.

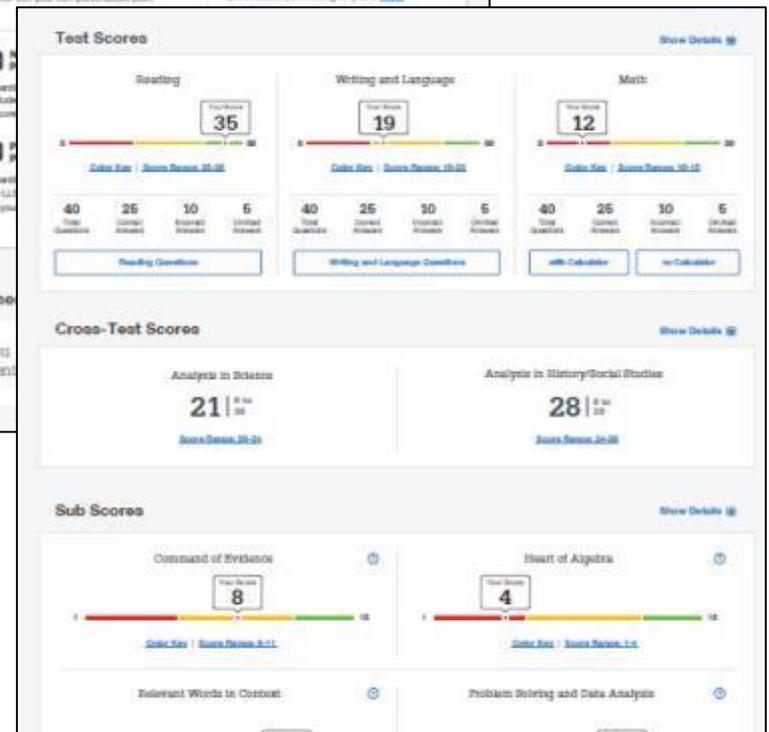
The main content area is titled 'My Most Recent Score' and features a large card for the PSAT/NMSQT Fall 2018 score for Grade 11. The total score is 1200. Section scores are 610 for Evidence-Based Reading & Writing and 590 for Math. A 'View Details' button is present. To the right of the score card are four orange buttons: 'AP Potential', 'My Colleges', 'Search for Scholarships', and 'Practice for the SAT on Khan Academy'. A note below the score card states: 'Keep in mind the PSAT/NMSQT and SAT are on the same scale. Your score tells you how you would have scored that day on the SAT. How well you do depends on what you do next!'.

Below the main score card is a section titled 'My Past Score Results' which contains four smaller score cards for previous assessments:

- PSAT 10 Spring 2017 (Grade 10):** Total Score 1140. Section scores: Evidence-Based Reading & Writing 640, Math 500.
- PSAT/NMSQT Fall 2018 (Grade 10):** Total Score 1014. Section scores: Evidence-Based Reading & Writing 514, Math 500.
- PSAT 8/9 Fall 2015 (Grade 9):** Total Score 960. Section scores: Evidence-Based Reading & Writing 500, Math 460.
- PSAT/NMSQT Fall 2014 (Grade 9):** Critical Reading 54, Writing 61, Math 68.

# Student Reports – Report Detail

- + Detailed information of all scores
- + College Readiness Benchmark of the two section scores – Evidence-based Reading and Writing and Math
- + Projected score range on next assessment
- + Percentile rankings
- + Performance based on benchmarks for individual scores:
  - Need to strengthen skills
  - Approaching benchmark
  - Meets or exceeds benchmark
- + Tallies of correct and incorrect answers



# Student Reports – Section Score Messages



## Red

Your scores indicate you need to strengthen your college readiness skills.

Let's get you back on track, so you won't have to take non-credit courses in college. You have free, personalized recommendations waiting for you on [KhanAcademy.org/sat](https://KhanAcademy.org/sat)



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 non-credit courses in college. You have a free, personalized recommendations waiting for you on [KhanAcademy.org/sat](https://KhanAcademy.org/sat)

## Yellow

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 non-credit courses in college. You have free, personalized recommendations waiting for you on [KhanAcademy.org/sat](https://KhanAcademy.org/sat)

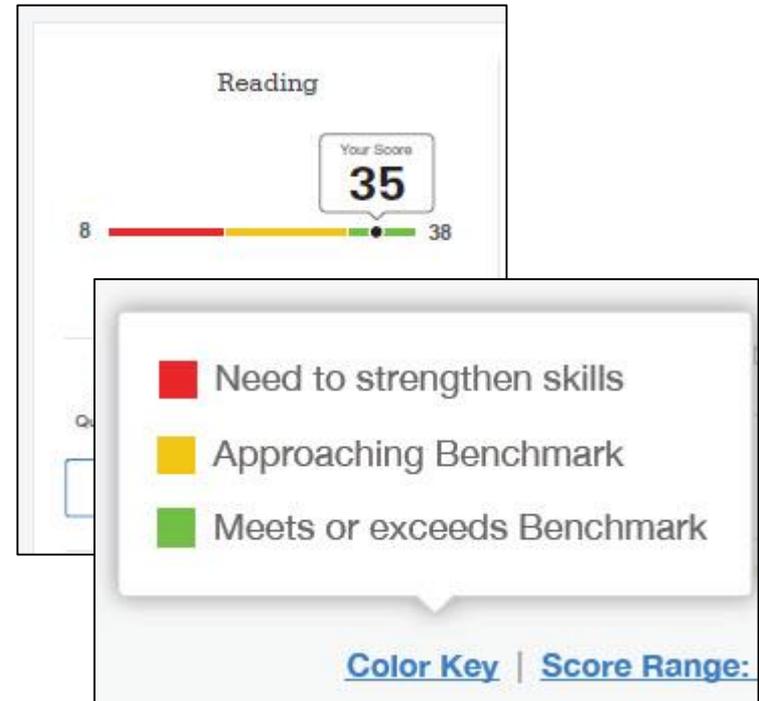
## Green

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](https://KhanAcademy.org/sat)

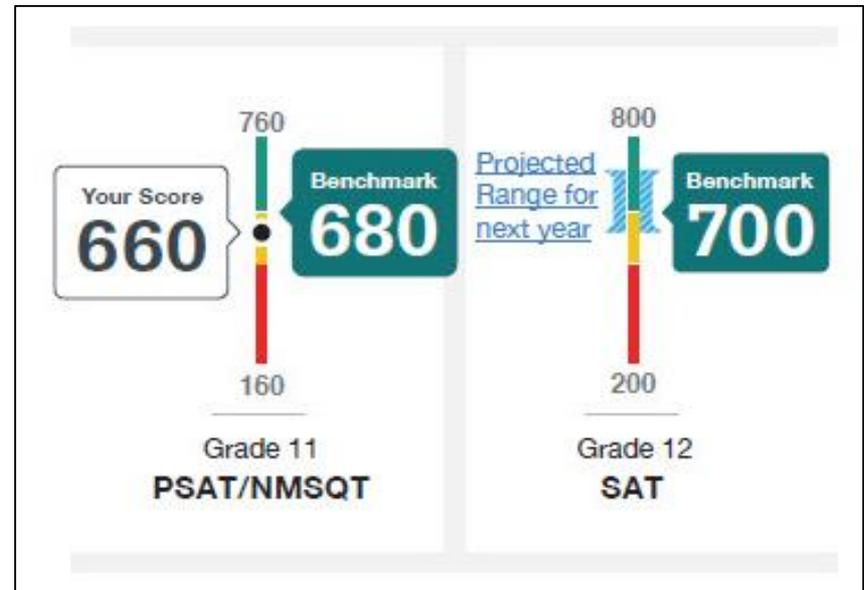
# Student Reports – Performance Zones

- + Section, Test, and Subscores all report scores against performance zones
- + **Need to Strengthen Skills** = below grade-level benchmark by more than one year
- + **Approaching Benchmark** = below grade-level benchmark by one year or less
- + **Meets or exceeds Benchmark** = at or above grade-level benchmark
- + Based on Section-level benchmarks, and average scores of students against benchmarks
- + The red, yellow, and green ranges in the test scores/ subscores reflect areas of strengths and weaknesses compared to the typical performance of students



# Student Reports – Projection Graphs

- + Score projection for ‘next’ test will be available online
- + Initially projection is based on average growth of 10<sup>th</sup> to 90<sup>th</sup> percentile students.
- + Same grade-level +/- range for all students (not based on student’s score)
- + Graph in year 2+ will include multiple redesigned scores over time.



# Student Reports – Skills Insight

- + Detailed explanation of current college readiness skills, based on test score band and typical students
- + Actionable steps to improve on skills required to be college ready
- + Each skill linked to applicable subscore categories

The screenshot shows the 'Skills Insight' report interface. At the top, there is a title 'Skills Insight' with a dropdown arrow. Below it, a paragraph explains that the tool links PSAT/NMSQT scores in Reading, Writing & Language, and Math to college readiness skills. A green button on the right says 'Free, personalized practice for the SAT at Khan Academy'. Below this, a smaller paragraph states that the report shows a general overview of skills and improvement areas, and that signing up for Khan Academy provides deeper insight and test prep. The main content area is divided into three columns: 'Reading', 'Writing & Language', and 'Math'. The 'Reading' column features a large green circle with the number '31' and the text 'Your Score'. Below the score is a blue button labeled 'Reading Questions'. To the right of the score, under the heading 'Your score indicates that you are already likely able to:', there are five skill descriptions, each with a corresponding skill category button: 'Command of Evidence', 'Standard English Conventions', 'Expression of Ideas', 'Relevant Words in Context', and 'Standard English Conventions'. The 'Writing & Language' and 'Math' columns are currently empty, with the heading 'Improve your skills by focusing on:' at the top of the 'Writing & Language' column.

# **Educator Reports – States, Districts, & Schools**

# Educator Reports – Centralized Reporting/Data Portal

- + A centralized portal for Schools, Districts, States
  - Launched July 20, and 'open' to K12 Educators August 3
  - SAT Electronic Scores in Oct 2015
  - PSAT/NMSQT, PSAT 8/9 scores in Fall 2015
  - SAT, SAT Subject Tests, PSAT 10 in Spring 2016
- + Reporting tools allow Educators to easily configure and run online reports and apply filters for data analysis
- + Download Center available to manage electronic score downloads – manual and automatic

The screenshot displays the CollegeBoard Assessment Reporting portal. At the top, it says 'CollegeBoard Assessment Reporting' and 'Josh Van Epps'. Below the navigation bar, a message states: 'You have successfully registered your account! You will receive information in the coming months on exciting new reporting features the College Board will roll out to you and your institution to support the release of the redesigned SAT® Suite of Assessments. Stay tuned!'. The main content area features a timeline of 'Important milestones for the redesigned SAT Suite of Assessments and your NEW online reporting portal!'. The timeline is organized into two columns: 'Fall 2015' and 'Spring 2016'. The 'Fall 2015' column includes milestones for September 2015 (First administration of the new PSAT™ 8/9), October 2015 (Electronic score data files for the SAT® delivered online! and First administration of the redesigned PSAT/NMSQT®), November 2015 (Enhanced reporting and electronic score data files available for the PSAT 8/9 online!), and December 2015. The 'Spring 2016' column includes milestones for February 2016 (First administration of the new PSAT™ 10), March 2016 (First administration of the redesigned SAT), April 2016 (Enhanced reporting and electronic score data files available for the PSAT 10 online!), and May 2016 (Enhanced reporting available for the redesigned SAT and SAT).

# Educator Reports – Download Center

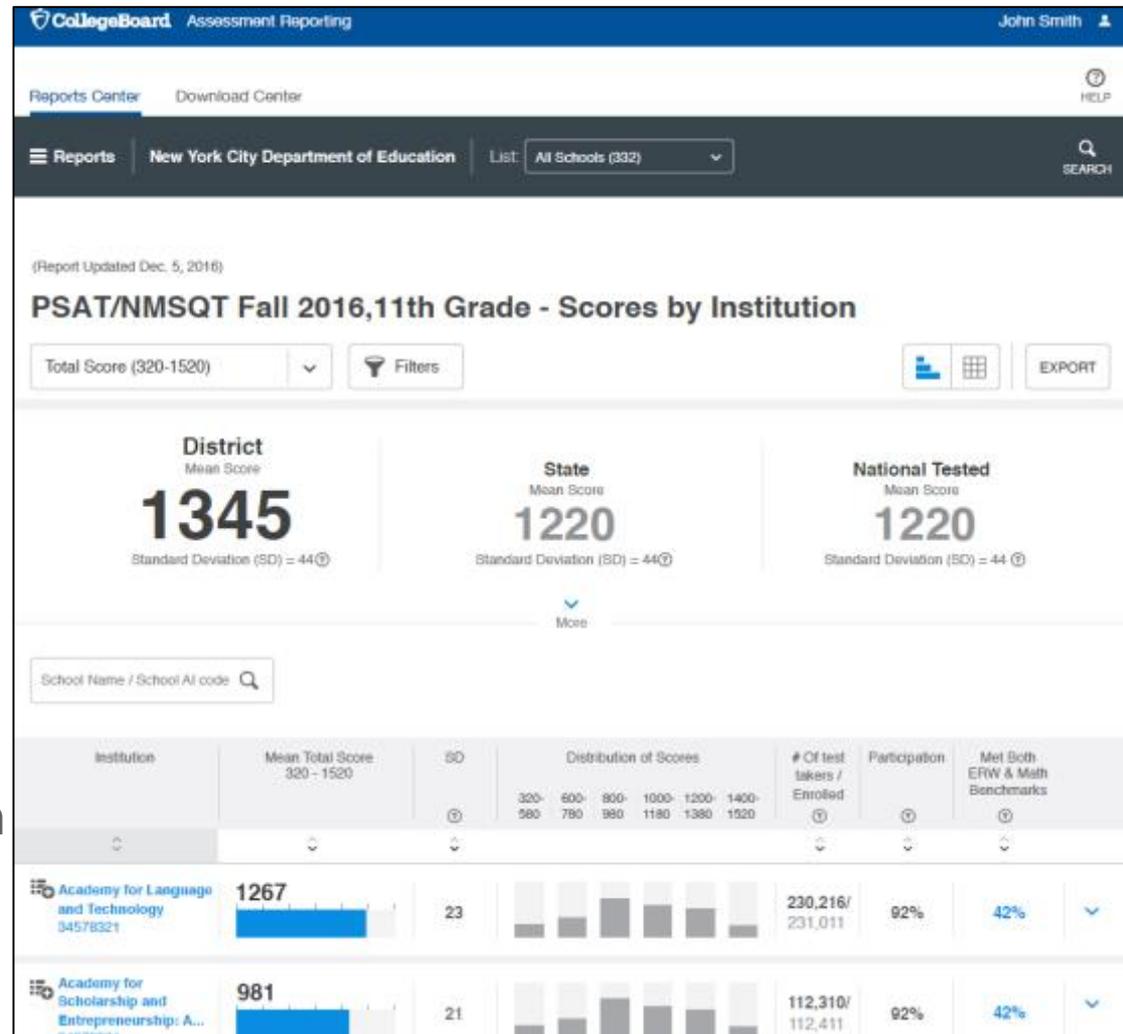
- + Score data files, downloadable via portal or web service
  - SAT Electronic Score Reports
  - PSAT/NMSQT (formerly CDs)
  - PSAT 10
  - PSAT 8/9
- + Comma Delimited or Fixed Width format
- + Email notification when new files are posted
- + Tracks who downloaded file

The screenshot shows the CollegeBoard Assessment Reporting interface for Sue Landers High School. The 'Download Center' section displays a table of reports with the following data:

File type	Assessment	Administration date	Details	Delivery method	Delivery date	
Other	PSAT 10	N/A	1000 records 000000_PSAT10_20150717_000003.csv (990.96 KB) Batch ID: N/A	One Time	Jul 17, 2015	Download (Downloaded 8 times)
Other	PSAT 10	N/A	1000 records 000000_PSAT10_20150717_000004.txt (1.17 MB) Batch ID: N/A	One Time	Jul 17, 2015	Downloaded by: Aug 5, 2015 Josh Van Epps Aug 4, 2015 Anton Michael Aug 4, 2015 Anton Michael Aug 4, 2015 Anton Michael Aug 4, 2015 Anton Michael Aug 4, 2015 Anton Michael
Other	PSAT/NMSQT	N/A	1000 records 000000_PSATNMSQT_20150717_000007.csv (990.96 KB)	One Time	Jul 17, 2015	Aug 4, 2015 Josh Van Epps Aug 4, 2015 Anton Michael

# Educator Reports – Scores by Institution

- + View mean score comparisons: School, District, State, Nation
- + View scores for
  - Districts/schools in a state
  - Schools in a District
  - Students in a School
- + View Benchmark performance and percentiles
- + Drill through to reports in lower levels of hierarchy
- + Filter by demographics such as Race/Ethnicity and Sex



# Educator Reports – Scores by Institution

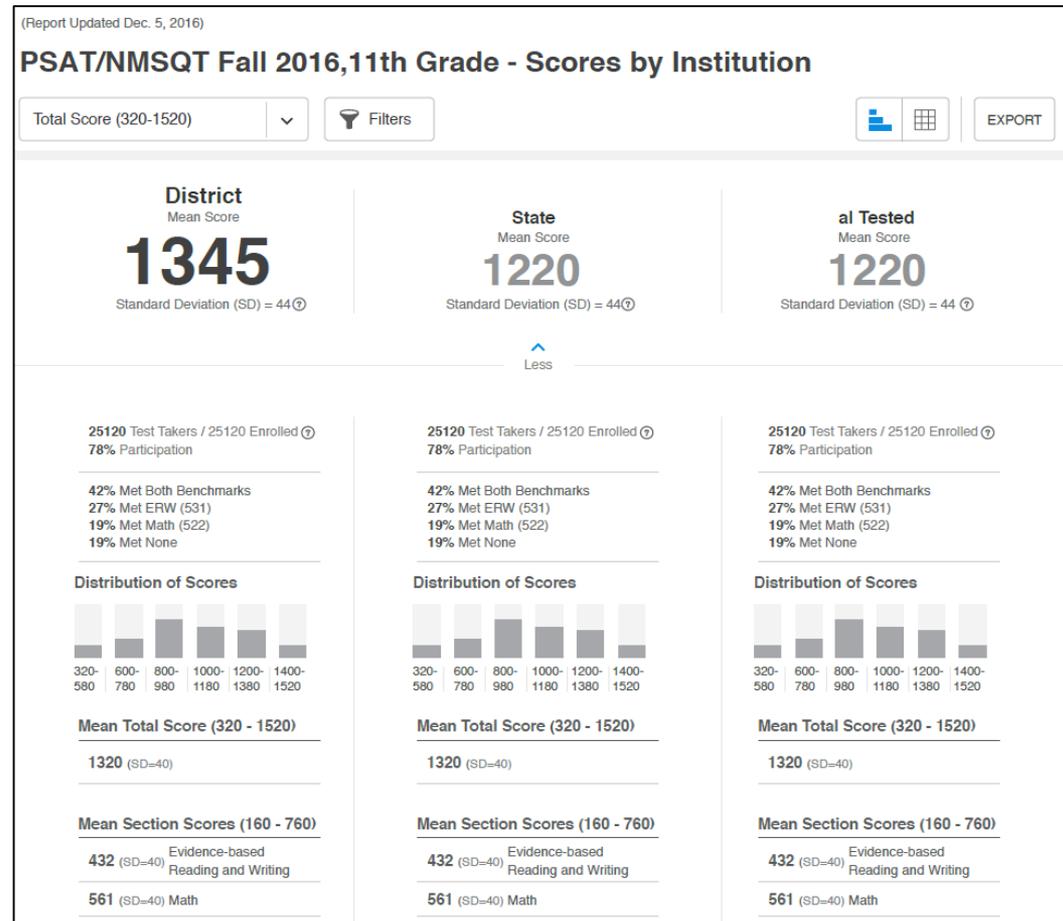
- + Multiple views provided based on user type and role
- + Individuals can drill up and down their hierarchy to view the same report for a State, District, and School

The screenshot displays the CollegeBoard Assessment Reporting interface. At the top, it shows the user's name (John Smith) and navigation options like 'Reports Center' and 'Download Center'. The main header indicates the report is for 'New York City Department of Education / Fordham High School for the Arts' with a list of 'All Students (182)'. The report title is 'PSAT/NMSQT Fall 2016, 11th Grade - Scores by Institution', updated on Dec. 5, 2016. Below the title, there are filters for 'Total Score (320-1520)' and 'Filters', along with 'EXPORT' and view options (bar chart, table). The main content area shows four summary cards for 'School', 'District', 'State', and 'National Tested' mean scores, all at 1220, with a standard deviation of 44. Below these is a search bar for 'Student Name / Student ID' and a table of individual student scores.

Student	Total Score 320 - 1520	Score Range	Met ERW Benchmark (532)	Met Math Benchmark (521)	Nationally Representative Sample Percentile	PSAT/NMSQT & PSAT 10 User Percentile - National
Antun, Katlyn R. 34578321	1267	1227-1307	✓ 671	✓ 596	73%	81%
Baldree, Sammie B. 34578321	981	941 - 1021	✓ 552	! 429	73%	81%

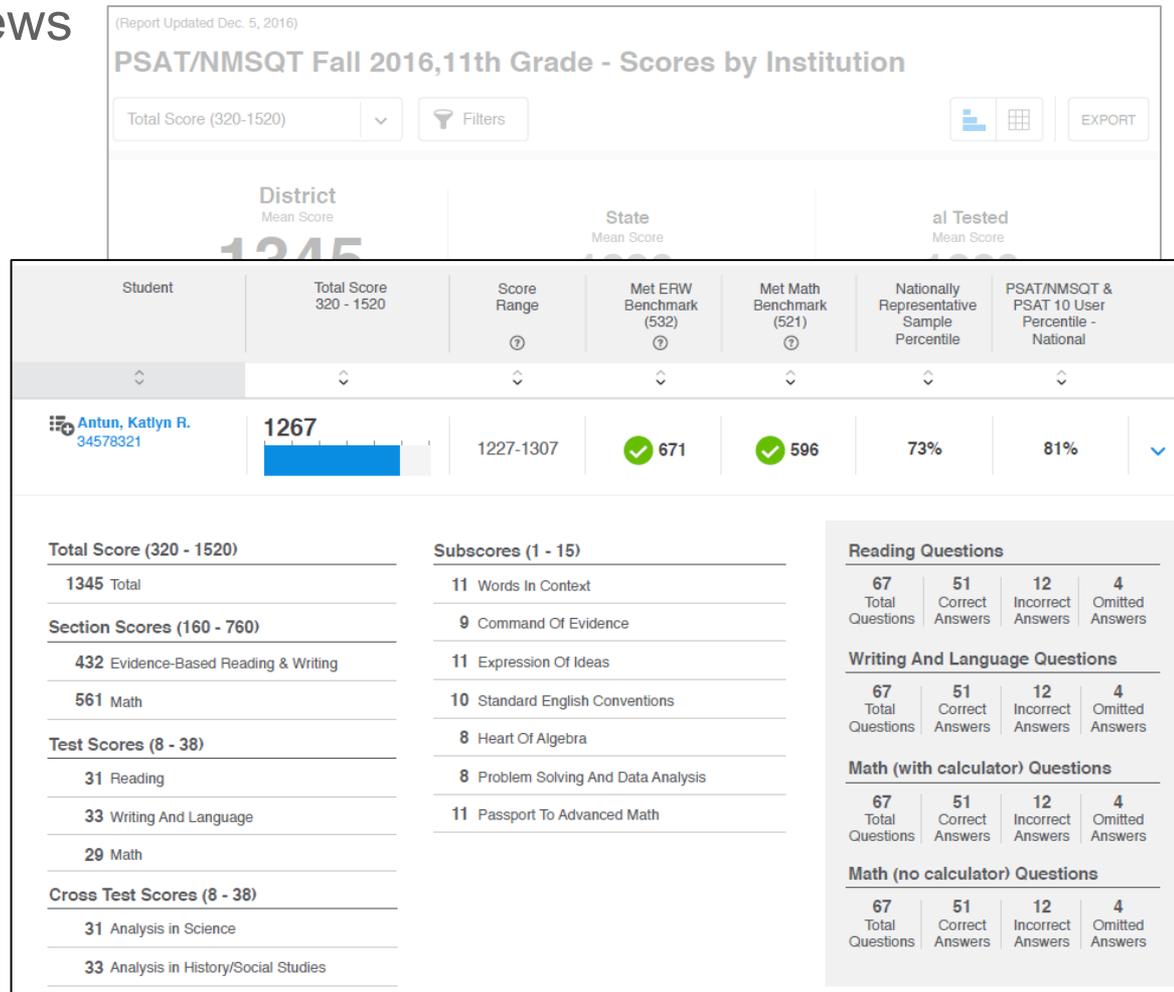
# Educator Reports – Scores by Institution (More Info)

- + Expand “More Info” views to view participation, benchmark, and score statistics in one place



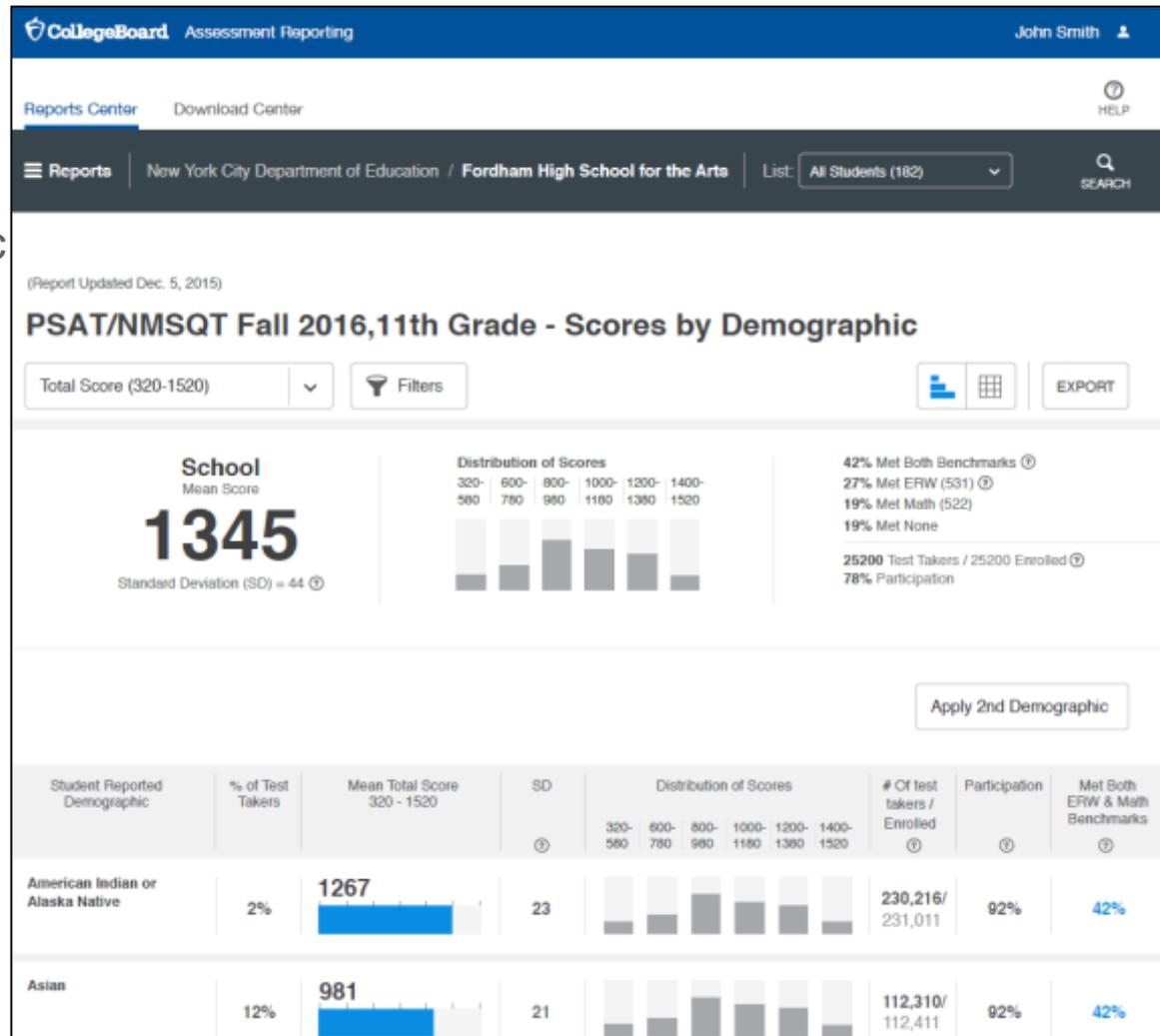
# Educator Reports – Scores by Institution (More Info)

- + Expand “More Info” views to view participation, benchmark, and score statistics in one place



# Educator Reports – Scores by Demographics

- + View mean scores by demographics
  - Up to two demographic levels available
- + View Benchmark performance by demographics
- + Filter by demographics such as Race/Ethnicity and Sex



# Educator Reports – Scores by Demographics

- + View mean scores by demographics
  - Up to two demographic levels available
- + View Benchmark performance by demographics
- + Filter by demographics such as Race/Ethnicity and Sex

CollegeBoard Assessment Reporting

John Smith

Reports Center Download Center

Reports New York City Department of Education / Fordham High School for the Arts

(Report Updated Dec. 5, 2015)

PSAT/NMSQT Fall 2016, 11th Grade - Scores by D

Total Score (320-1520) Filters

School Mean Score **1345**  
Standard Deviation (SD) = 44

Distribution of Scores

320-580 600-780 800-980 1000-1180 1200-1380 1400-1520

Apply 2nd Demographic

Select a demographic from the menu below to be shown as an additional demographic layer.

Show Race/Ethnicity across:

None

Sex

Testing Accommodations

Highest Level of Parental Education

Core Curriculum

Student Search Service

Cancel Apply

Student Reported Demographic	% of Test Takers	Mean Total Score 240 - 1440	SD	Distribution of Scores						# Of test takers / Enrolled*	Participation	Met Both ERW & Math Benchmarks
				320-580	600-780	800-980	1000-1180	1200-1380	1400-1520			
American Indian or Alaska Native	2%	<b>1267</b>	23	23%	23%	23%	23%	23%	23%	230,216 / 231,011	92%	42%
Female	1%	1011	35	31%	31%	31%	31%	31%	31%	120,216 / 231,011	91%	31%
Male	1%	987	16	12%	12%	42%	12%	12%	12%	110,216 / 231,011	92%	12%
No Response	0.1%	954	23	2%	12%	13%	21%	12%	12%	110,216 / 231,011	92%	31%

# Educator Reports – Scores Roster

- + View score roster summaries with high level details for a State, District and School
- + Drill down to a detail Score Roster report for a School

The screenshot displays the CollegeBoard Assessment Reporting interface. At the top, it shows the user's name 'John Smith' and navigation options like 'Reports Center' and 'Download Center'. The main content area is titled 'Roster Report Summary' and includes a dropdown for 'Academic Year: Sep 2015 - Aug 2016'. Below this, there are two sections for test results: 'PSAT 8/9 Spring 2016' and 'PSAT/NMSQT Fall 2015'. Each section contains a table with columns for Grade, Total Enrolled, Total Test Takers, Participation, Mean Total Score, SD, Mean ERW Score, SD, Mean Math Score, SD, and Met both ERW and Math Benchmarks (split into # and %).

Grade	Total Enrolled	Total Test Takers	Participation	Mean Total Score	SD	Mean ERW Score	SD	Mean Math Score	SD	Met both ERW and Math Benchmarks	
										#	%
Not yet in 8th grade	N/A	19,991	N/A	1298	23	540	23	743	23	N/A	N/A
6th grade	N/A	11,011	N/A	1098	21	410	21	621	21	N/A	N/A
7th grade	N/A	12,101	N/A	987	18	563	18	367	18	N/A	N/A
8th grade	1,011	1,005	98%	1104	22	343	22	346	22	543	67%
9th grade	12,123	12,101	98%	987	23	563	23	345	23	5981	56%
10th grade	1,011	1,005	98%	960	22	435	19	367	18	N/A	N/A
Above 10th grade	N/A	12,101	N/A	1104	21	343	21	346	21	N/A	N/A

Grade	Total Enrolled	Total Test Takers	Participation	Mean Total Score	SD	Mean ERW Score	SD	Mean Math Score	SD	Met both ERW and Math Benchmarks	
										#	%
Not yet in 8th grade	N/A	1,011	N/A	1298	23	540	23	743	23	N/A	N/A
8th grade	11,032	11,011	98%	1098	21	410	21	621	21	N/A	N/A
9th grade	12,123	12,101	98%	987	18	563	18	367	18	N/A	N/A
10th grade	1,011	1,005	98%	1104	22	343	22	346	22	543	67%

# Educator Reports – Scores Roster

## + Score Roster

- Easy to export to excel
- Several data points to hide/show
- Drill to Student Level Report

+/- Customize This Table

Check All Clear All Restore to default
Cancel Apply

**Basic Student info**

Sex

Race / Ethnicity

Date of Birth

Grade

**Registration Info**

Test Date

Access Code

**Test Center**

Test Center Name

Test Center City

**Scores**

Total & Section Scores

Test & Cross-test Scores

Subscores

Benchmarks

Percentiles details

National Merit Details

AP Potential

CollegeBoard Assessment Reporting
John Smith

Reports Center Download Center
HELP

Reports
New York City Department of Education / Fordham High School for the Arts
List: All Students (182)
SEARCH

[Back to Summary](#)

Report Updated Dec. 5, 2015 | 25200 Test Takers

### PSAT 8/9 Spring 2016 Roster Report Details

This School's AP Potential Tool Access Code: XXXX

Roster Report Filters

AP Potential Tool

EXPORT

Student Name / Student ID

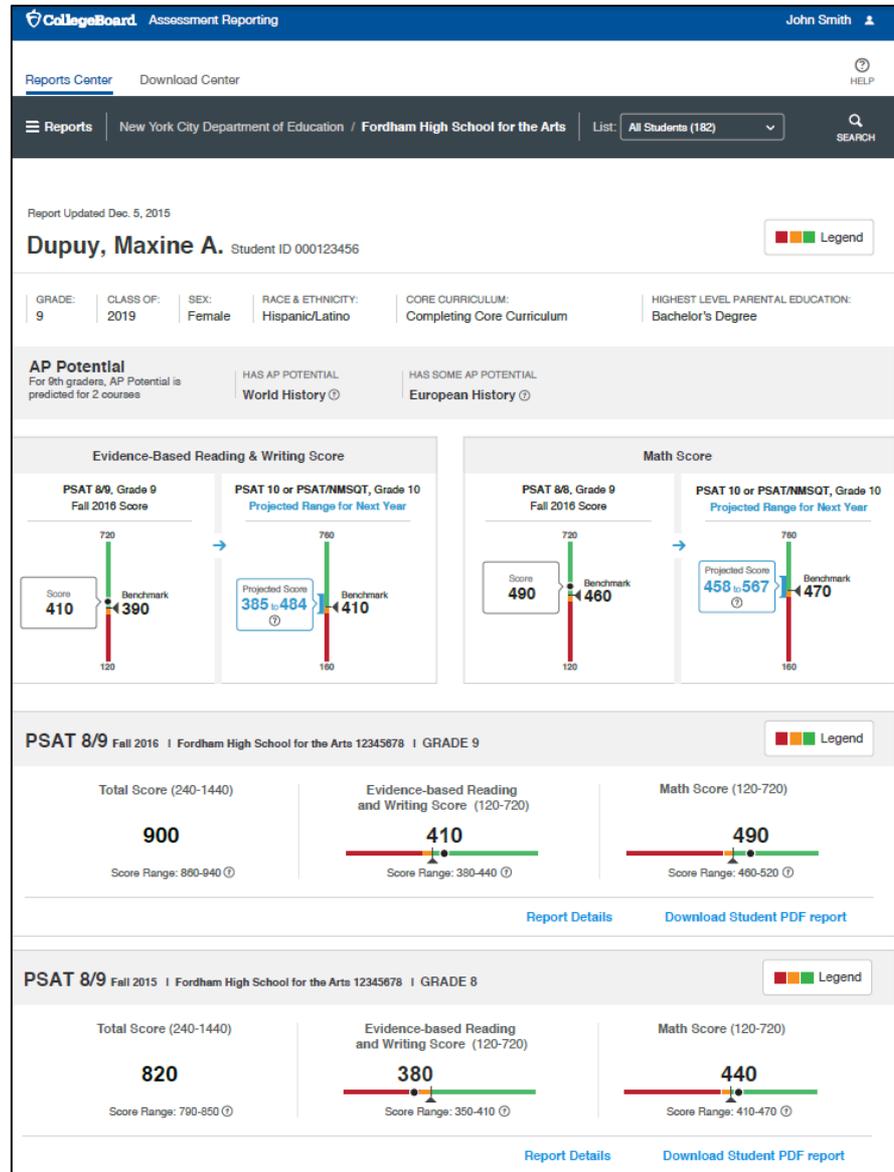
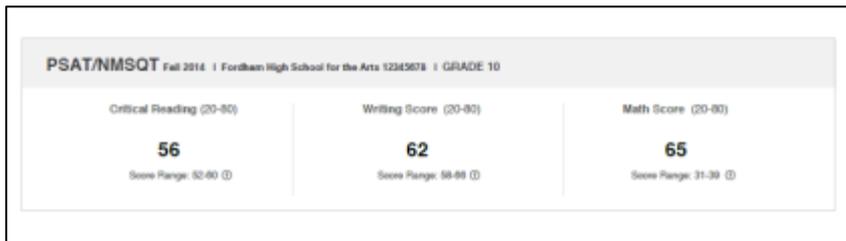
Create PDF from Selected

+/- Customize This Table

Student Name	Student ID	Grade	Access Code	Total Score	ERW	Math	Met ERW Benchmark	Met Math Benchmark
<b>All</b>								
<input type="checkbox"/>								
<input type="checkbox"/> Antun, Katlyn R.	000123456	8th	N39484512Y	1298	540	743	Y	Y
<input type="checkbox"/> Baldree, Sammie B.	000123456	8th	N39484512Y	1098	410	621	Y	Y
<input type="checkbox"/> Ball, Jake D.	000123456	7th	N39484512Y	987	563	367	N/A	N/A
<input type="checkbox"/> Carollo, Allyson G.	000123456	8th	N39484512Y	1104	343	346	N	Y
<input type="checkbox"/> Ciccone, Leonie A.	000123456	7th	N39484512Y	1002	320	348	N/A	N/A
<input type="checkbox"/> Collard, Sonya D.	000123456	9th	N39484512Y	1098	330	333	Y	Y
<input type="checkbox"/> Costanzo, Audrea T.	000123456	8th	N39484512Y	987	345	348	Y	Y
<input type="checkbox"/> Depp, Marie R.	000123456	8th	N39484512Y	1104	350	353	Y	Y
<input type="checkbox"/> Devi, Tanvi G.	000123456	9th	N39484512Y	1230	345	348	N	Y
<input type="checkbox"/> Duke, Clifton E.	000123456	8th	N39484512Y	1098	342	345	N	Y
<input type="checkbox"/> Dupuy, Maxine A.	000123456	8th	N39484512Y	987	340	343	Y	Y

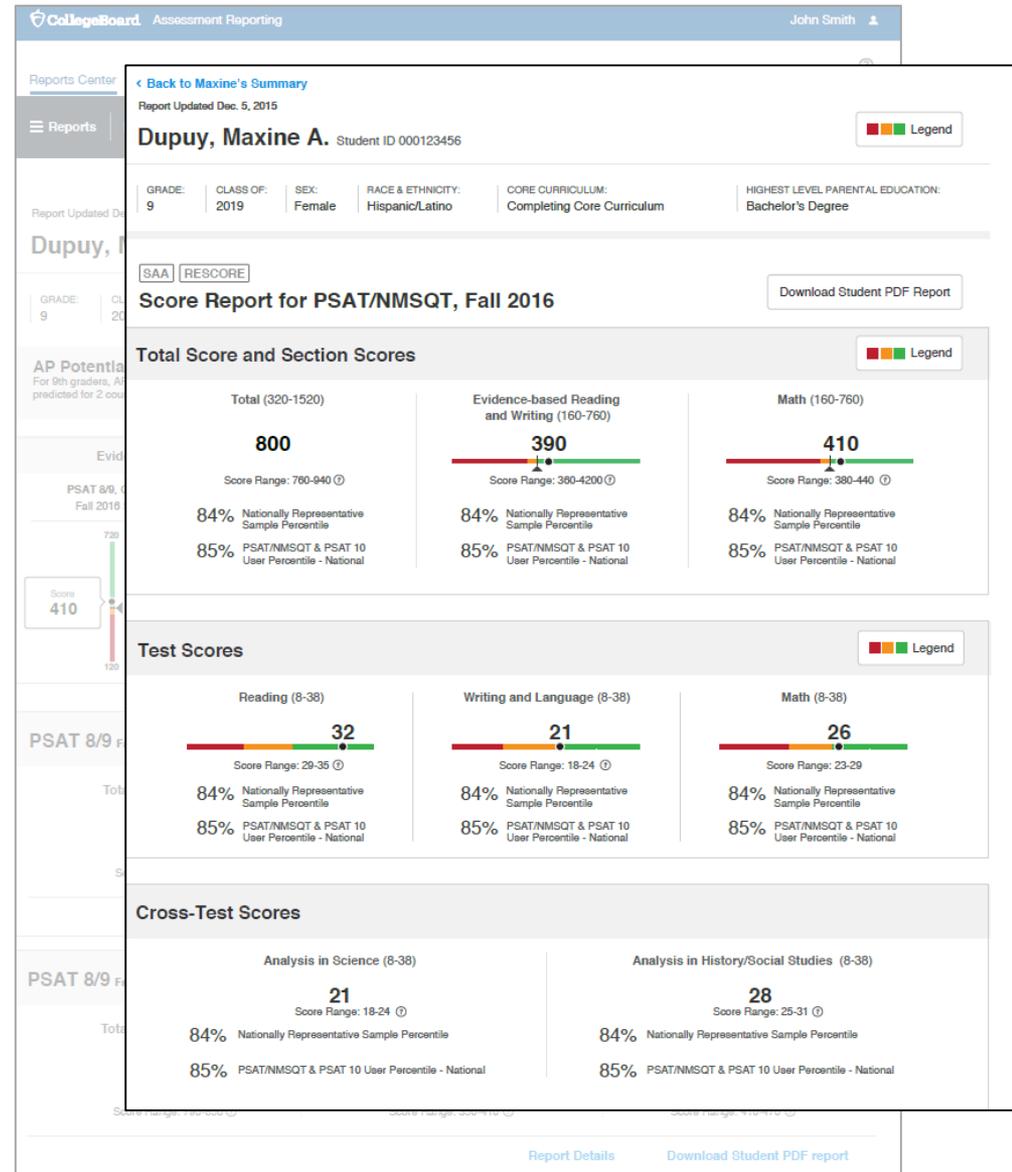
# Educator Reports – Student Longitudinal Information

- + Students score history for all SAT Suite available in one place
- + Redesigned assessments will have detailed score information, mimicking students' view
- + Pre-redesigned assessments will have high-level scores only



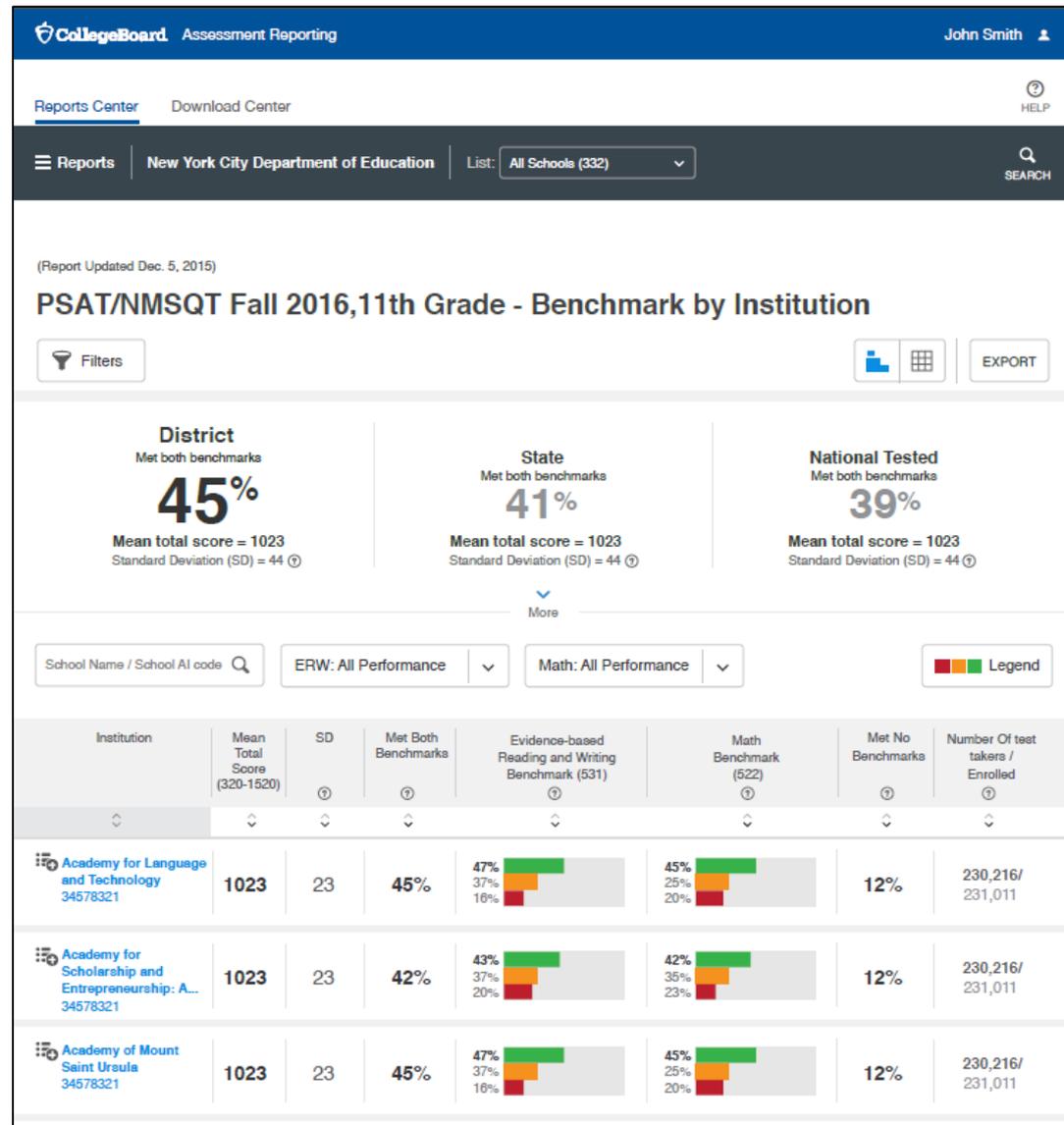
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# Educator Reports – Benchmarks by Institution

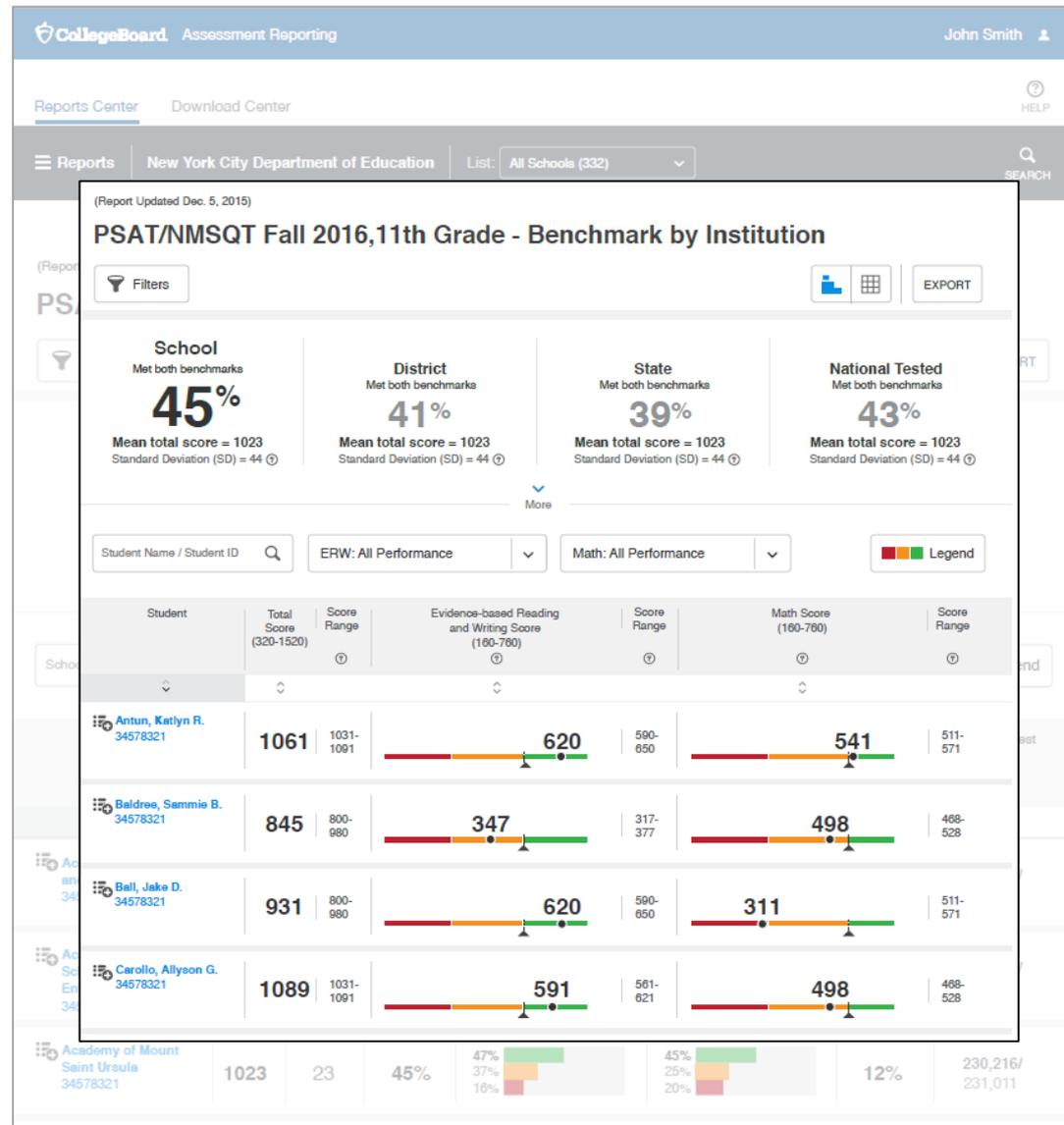
- + View Benchmark performance comparisons: School, District, State, Nation
- + View aggregate and student performance on Benchmarks:
  - Need to strengthen skills (red)
  - Approaching benchmark (yellow)
  - Meets or exceeds benchmark (green)
- + View percent of students meeting both, or no Benchmarks
- + Apply demographic filters
- + Drill-thru to lower levels in the hierarchy



*NOTE: All reports are subject to change and should not be considered final. Reports shown are illustrations, and all data is fictitious.*

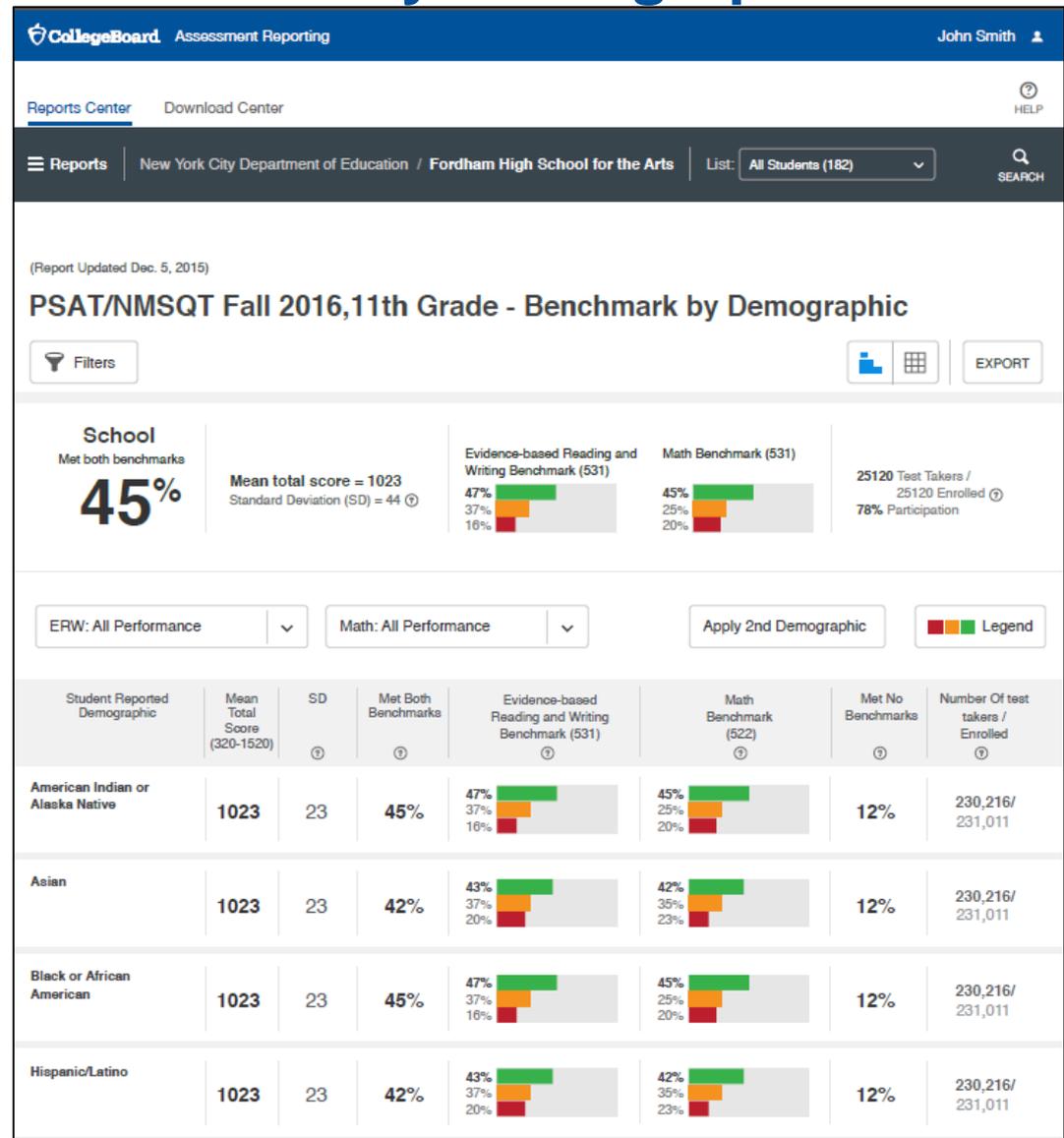
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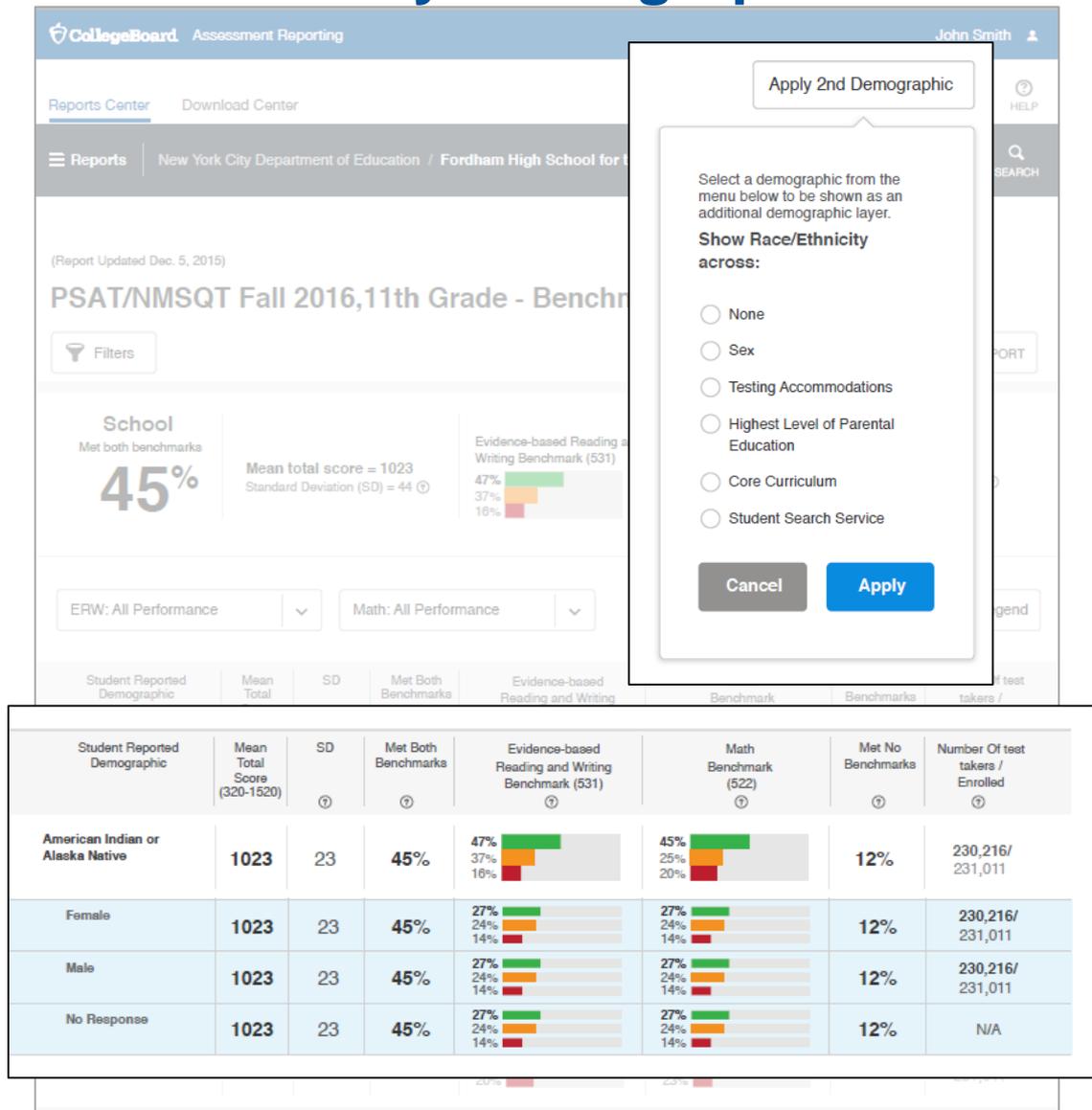
# Educator Reports – Benchmarks by Demographics

- + View Benchmark performance for: School, District, State, Nation
- + View aggregate performance by demographic groups on Benchmarks:
  - Need to strengthen skills (red)
  - Approaching benchmark (yellow)
  - Meets or exceeds benchmark (green)
- + View percent of students meeting both, or no Benchmarks
- + Apply demographic filters



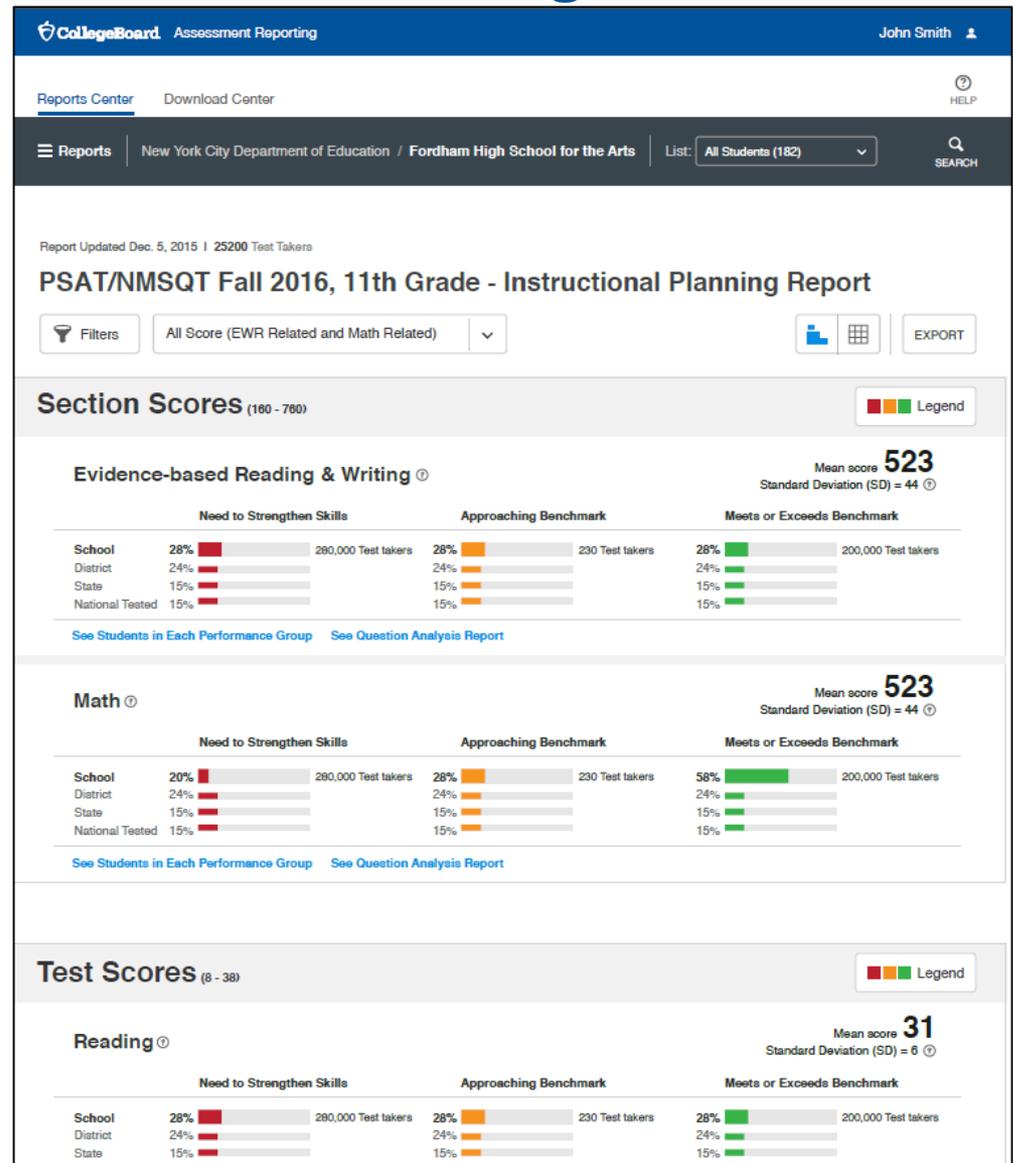
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  - Meets or exceeds benchmark (green)
- + View percent of students meeting both, or no Benchmarks
- + Apply demographic filters



# Educator Reports – Instructional Planning

- + Provides breakout of student performance, in each Section, Test, and Subscores:
  - Need to strengthen skills (red)
  - Approaching benchmark (yellow)
  - Meets or exceeds benchmark (green)
- + At school-level, ability to see student in each performance group
- + See state standards for subscores
- + Drill-thru to Question Analysis report



# Educator Reports – Instructional Planning

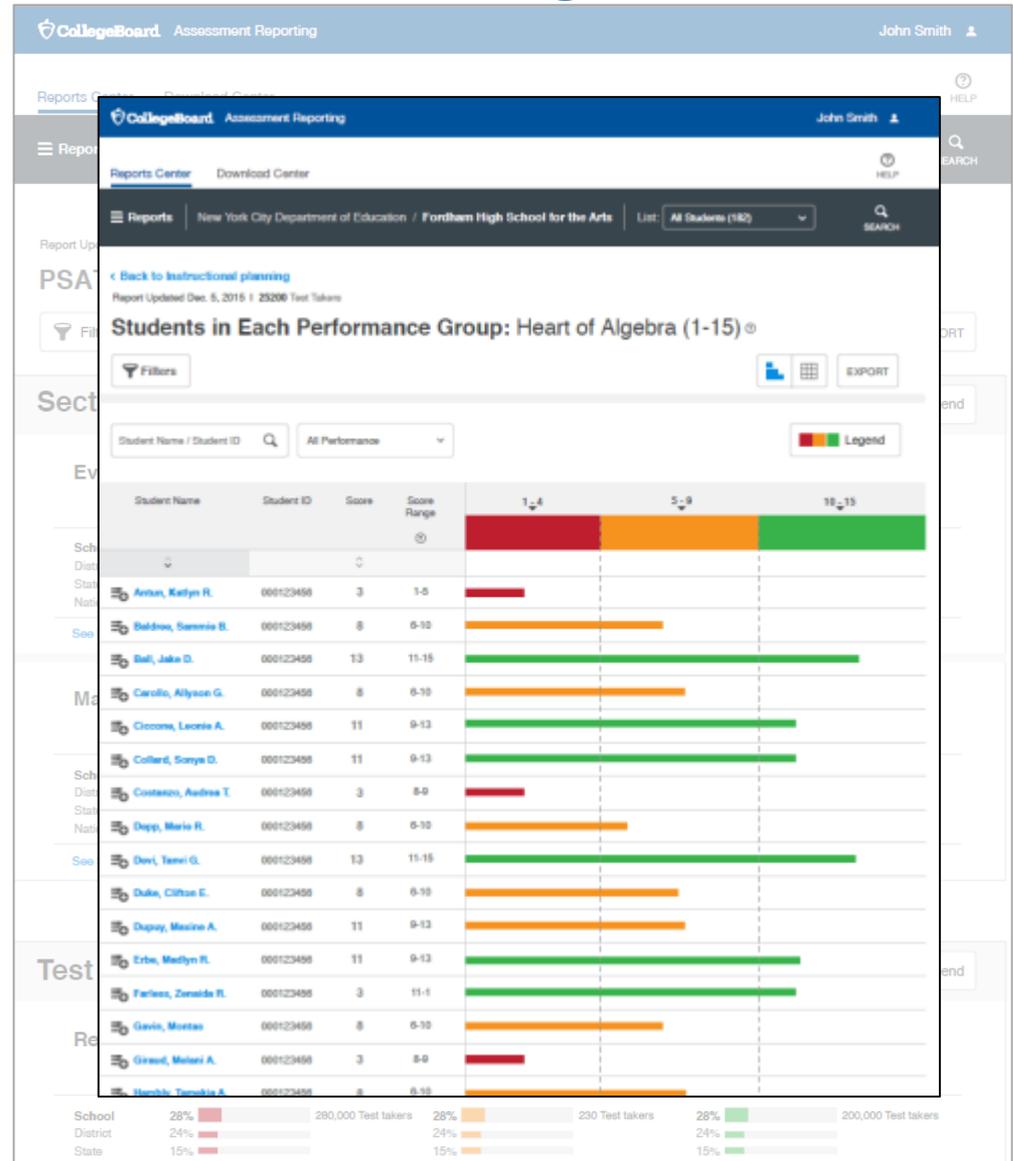
+ Provides breakout of student performance, in each Section, Test, and Subscores:

- Need to strengthen skills (red)
- Approaching benchmark (yellow)
- Meets or exceeds benchmark (green)

+ At school-level, ability to see student in each performance group

+ See state standards for subscores

+ Drill-thru to Question Analysis report



# Educator Reports – Instructional Planning – Standards

- + See your state standards for Subscores
- + Note: Links to State Standards are provided anywhere a Subscore is reported

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## Standards Alignment

**Evidence-Based Reading & Writing**

- Words in Context
- Command of Evidence
- Expression of Ideas
- Standard English Conventions
- Additional Standards in Evidence-based Reading and Writing

**Math**

- Heart of Algebra**
- Passport to Advanced Math
- Problem Solving and Data Analysis
- Additional Standards in Math

**Cross Test Scores**

- Analysis in Science
- Analysis in History / Social Science

### Heart of Algebra

Linear equations and functions in mathematics.

Standards in this subscore:

HSA.SSE.A.1	HSA.APR.B.3	HSA.CED.A.2
HSA.SSE.A.2	HSA.APR.C.4	HSA.CED.A.3
HSA.SSE.B.3	HSA.APR.C.5	HSA.CED.A.4
HSA.SSE.B.4	HSA.APR.D.6	HSA.REI.C.6
HSA.APR.D.7	HSA.REI.A.2	HSA.REI.C.7
HSA.APR.B.2	HSA.CED.A.1	HSA.REI.C.8
		HSA.REI.C.9

**HSA.SSE.A.1**  
Interpret expressions that represent a quantity in terms of its context.

**HSA.SSE.A.1.A**  
Interpret parts of an expression, such as terms, factors, and coefficients.

**HSA.SSE.A.1.B**  
Interpret complicated expressions by viewing one or more of their parts as a single entity. For example, interpret  $P(1+r)^n$  as the product of  $P$  and a factor not depending on  $P$ .

**HSA.SSE.A.2**  
Use the structure of an expression to identify ways to rewrite it. For example, see  $x^4 - y^4$  as  $(x^2)^2 - (y^2)^2$ , thus recognizing it as a difference of squares that can be factored as  $(x^2 - y^2)(x^2 + y^2)$ .

**HSA.SSE.B.3**  
Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity

**Heart of Algebra**  
Linear equations and functions in mathematics.

**Related Standards:**

HSA.SSE.A.1	HSA.APR.C.4	HSA.REI.C.7
HSA.SSE.A.2	HSA.APR.C.5	HSA.REI.C.8
HSA.SSE.B.3	HSA.APR.D.6	HSA.REI.C.9
HSA.SSE.B.4	HSA.APR.D.7	HSA.REI.D.10
HSA.APR.A.1	HSA.CED.A.1	HSA.REI.D.11
HSA.APR.B.2	HSA.CED.A.2	HSA.REI.D.12
HSA.APR.B.3	HSA.CED.A.3	

[See Standards](#)

**Heart of Algebra**

	Need to Strengthen Skills	Appro
Your District	10%	28%
State	24%	24%
Nation	15%	15%

280,000 students

[See Students in Each Performance Group](#)

# Educator Reports – Question Analysis

- + See performance, by question
- + For disclosed forms
  - Individual answer choice performance
  - Link to actual question content (including answer explanations)

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Reports Center | Download Center | HELP

Reports | New York City Department of Education / Fordham High School for the Arts | List: All Students (182) | SEARCH

Report Updated Dec. 5, 2015 | 25200 Test Takers

## PSAT/NMSQT Fall 2016, 11th Grade - Question Analysis Report - Form A

Filters | EXPORT

91 Evidence-based Reading and Writing Questions | 48 Math Questions

Correct Response %: All | Difficulty: All | Related Cross-test Score or Subscore: All | Reset Filters

Test Portion	Question	Correct Answer	Percentage Correct by Group	Student Responses					Difficulty Level	Related Cross-test scores and Subscores	Students Performance
				A%	B%	C%	D%	Omit%			
Reading	<a href="#">1</a>	A	School 22% District 24% State 15% Nation 17%	22	15	43	15	15	Easy	Expressions of Ideas Command of Evidence	<a href="#">See Student Performance</a>
Reading	<a href="#">2</a>	B	School 22% District 24% State 14% Nation 17%	22	13	43	13	13	Easy	Expressions of Ideas Words in Context Command of Evidence	<a href="#">See Student Performance</a>
Reading	<a href="#">3</a>	D	School 27% District 24% State 15% Nation 17%	27	15	43	15	15	Medium	Expressions of Ideas Words in Context Command of Evidence	<a href="#">See Student Performance</a>
Reading	<a href="#">4</a>	C	School 22% District 24%	22	15	43	15	15	Medium	Expressions of Ideas Command of Evidence	<a href="#">See Student Performance</a>

\*Available only for disclosed forms. PSAT 8/9 is a non-disclosed form in 2015-2016. PSAT 10 and April SAT School Day are disclosed forms.

# Educator Reports – Question Analysis

- + View student produced responses
- + For non-disclosed
  - % Correct/Incorrect
  - No question content provided
- + “Unscorable” questions also displayed
- + Link to individual student performance

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Reports New York City Department of Education / Fordham High School for the Arts List: All Students (182) SEARCH

Student Produced Response											
Math with Calculator	2	10, 12 15, 16	School 22% District 24% State 15% Nation 17%	N/A	N/A	N/A	N/A	15 11 22 16	Easy	Additional Topics in Math	See Student Performance
Non-Disclosed Forms											
Reading	2	N/A	School 22% District 24% State 15% Nation 17%	N/A	N/A	N/A	N/A	15 11 22 16	Easy	Expressions of Ideas Words in Context	See Student Performance
*Unscorable* item											
Reading	2	N/A	Unscorable Question	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Reading	2	B	School 22% District 24% State 14% Nation 17%	22 24 14 17	13 11 22 16	43 17 22 24	13 11 22 16	13 11 22 16	Easy	Expressions of Ideas Words in Context Command of Evidence	See Student Performance
Reading	3	D	School 27% District 24% State 15% Nation 17%	27 24 15 17	15 11 22 16	43 17 22 24	15 11 22 16	15 11 22 16	Medium	Expressions of Ideas Words in Context Command of Evidence	See Student Performance
Reading	4	C	School 22% District 24%	22 24	15 11	43 17	15 11	15 11	Medium	Expressions of Ideas Command of Evidence	See Student Performance

\*Available only for disclosed forms. PSAT 8/9 is a non-disclosed form in 2015-2016. PSAT 10 and April SAT School Day are disclosed forms.