



Pocantico Hills School District K-12 Assessment Report: 2017-2018

November 20, 2018

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Digging into K-8 Assessment Data



- 3-8 Assessment Results: ELA and Math
- Sample Data Analyses and Test Questions
- 4 & 8 Science Results
- Regents and FLACS Results: Algebra, Living Environment, French, and Spanish



- K-8 Reading and Math Benchmarks
- Reading: A Closer Look at Oral Reading Fluency
- Math: A Closer Look at Concepts and Applications



State Testing – Past and Future: Theme of Change

- 2013: NYS administered the first new tests aligned to Common Core Standards in ELA and math. Scores dropped across NYS.
- 2014: The lengths of the 3-8 ELA and math tests were slightly reduced.
- 2016: The 3-8 ELA and math tests were redesigned to include fewer items, and the tests became untimed; thus, the 2016 results could not be compared to previous years.
- 2018: The 3-8 ELA and math tests were reduced to two days and aligned to new performance standards with a new scale scoring system; thus, the 2018 results cannot be compared to previous years.
- 2019: Pocantico Hills will join the growing list of NYS Districts piloting Computer-Based Testing instead of Paper-Based Testing in selected grades.
- 2020: NYSED is currently expecting Districts to be The lengths of the 3-8 ELA and math tests were slightly reduced.

From the NYS Commissioner

- *2016: “While the content of the 2016 tests and last year’s tests are comparable and similarly rigorous, it is not possible to make direct comparisons of the 2016 results to prior years’ results because of changes to the tests this year.”*

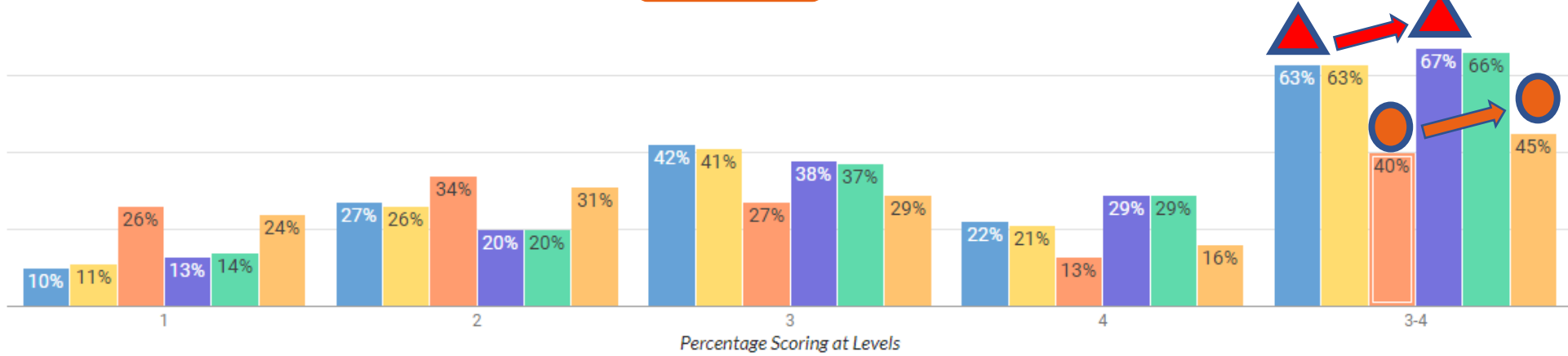
(Commissioner MaryEllen Elia, July 29, 2016 memo)

- *2018: “Due to the State’s new two-session test design and performance standards, the 2018 Grades 3-8 ELA and math results cannot be compared with prior-year results. The new baseline established this year will enable comparisons with student scores in 2019 and 2020.”*

(Commissioner MaryEllen Elia, September 26, 2018 memo)

2017

2018



ALL STUDENTS

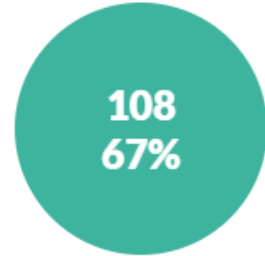
PROFICIENT



TOTAL TESTED: 158

ALL STUDENTS

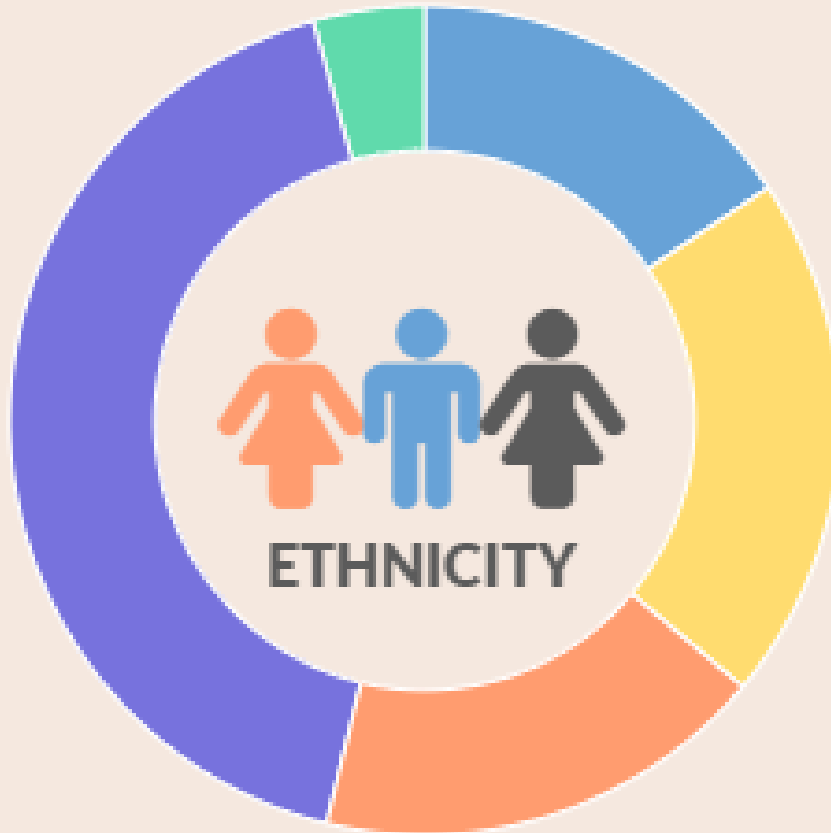
PROFICIENT



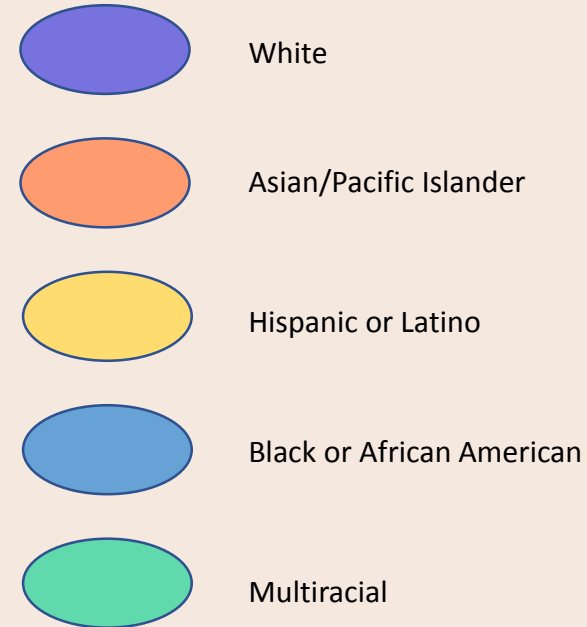
TOTAL TESTED: 161

Pocantico Hills School

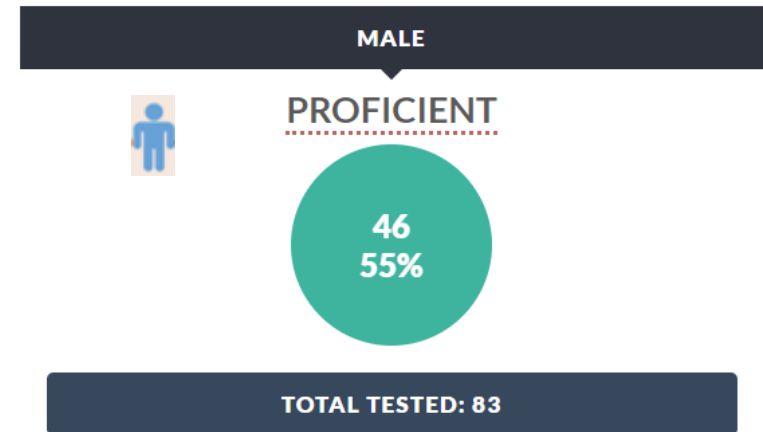
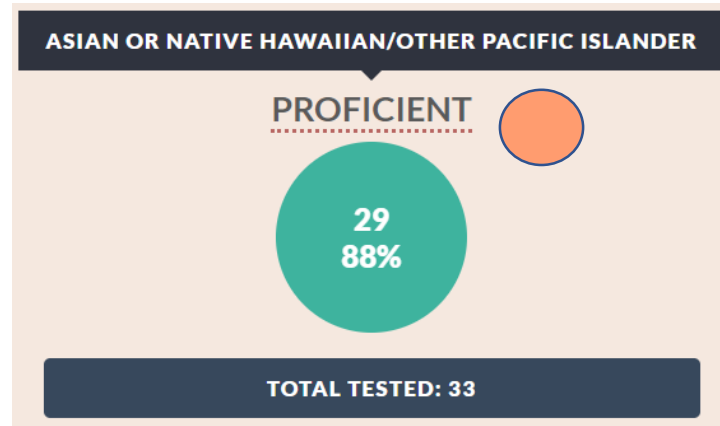
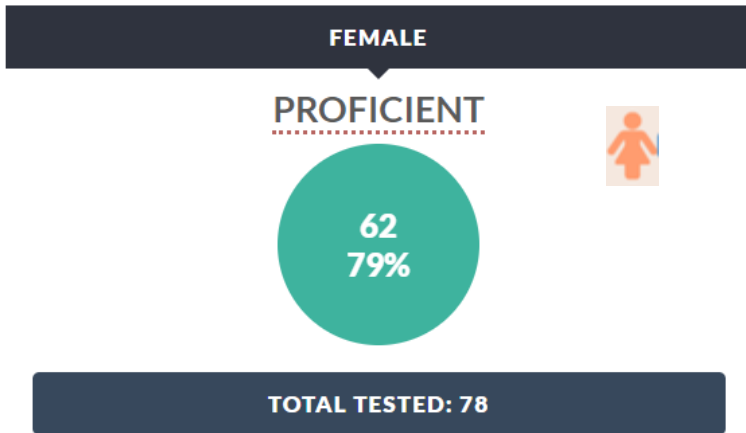
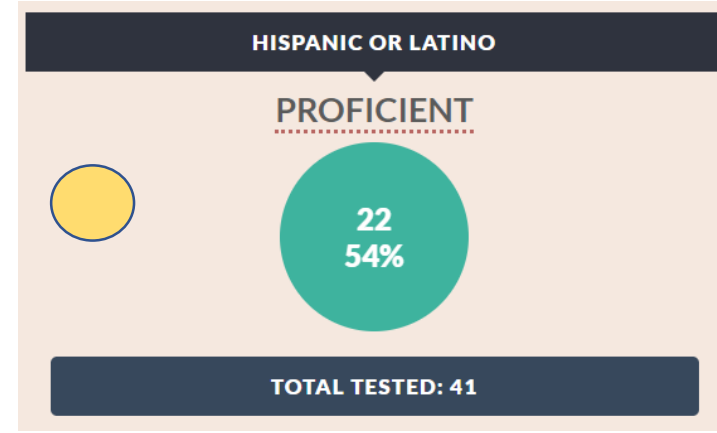
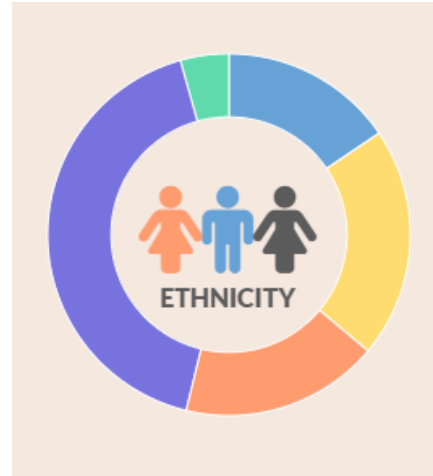
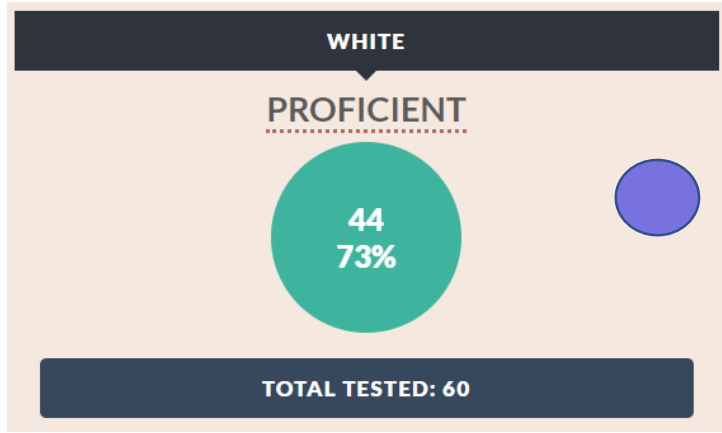
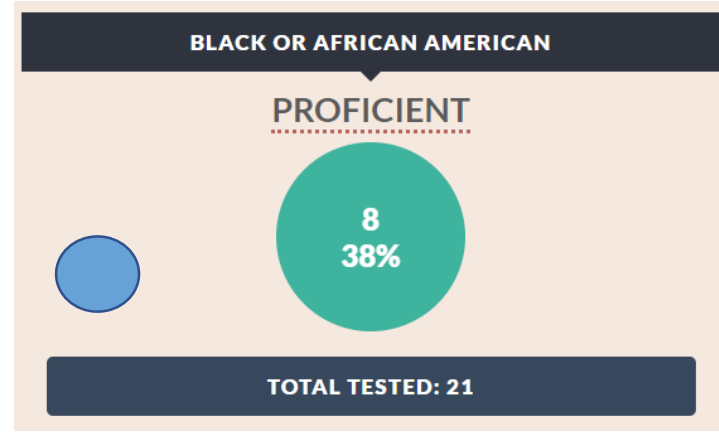
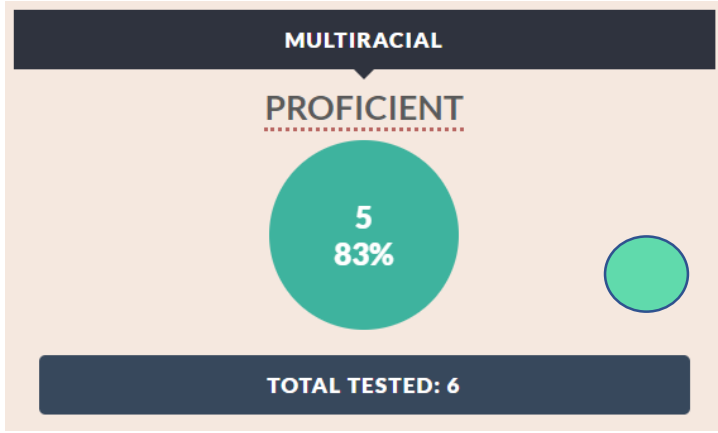
Through the Lens of Our Diversity



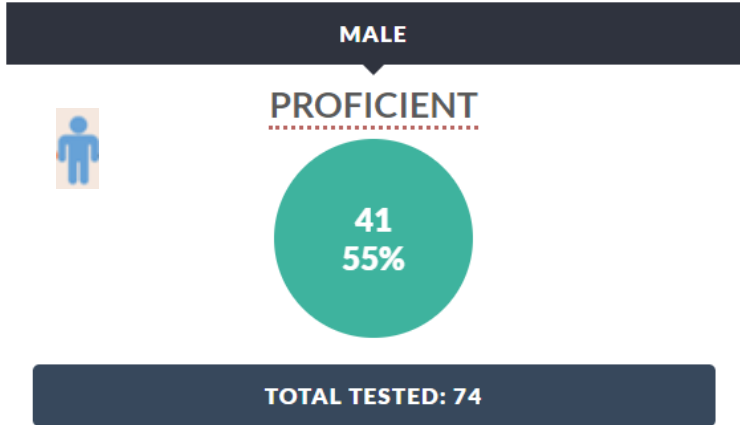
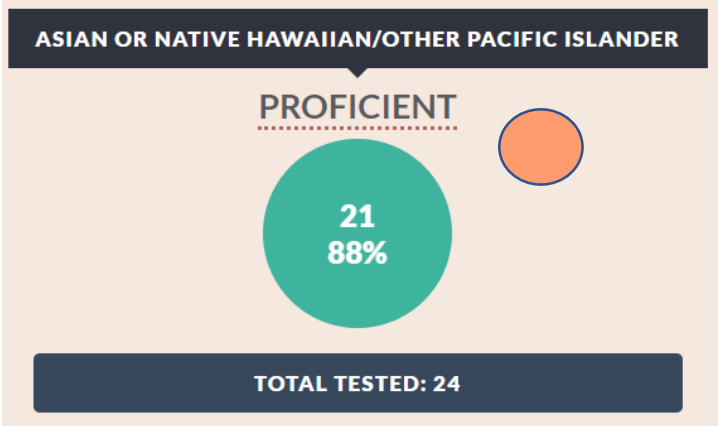
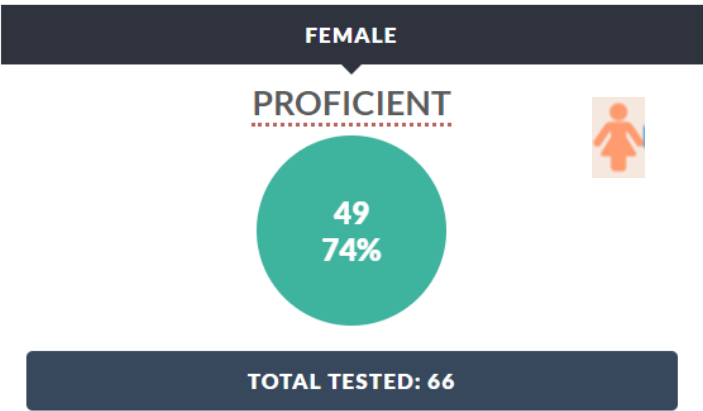
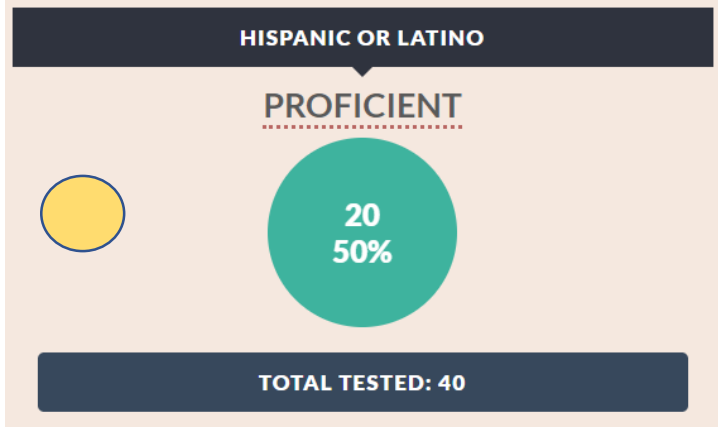
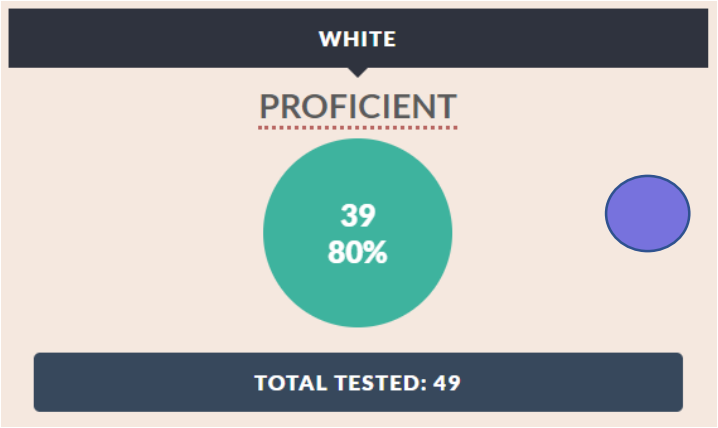
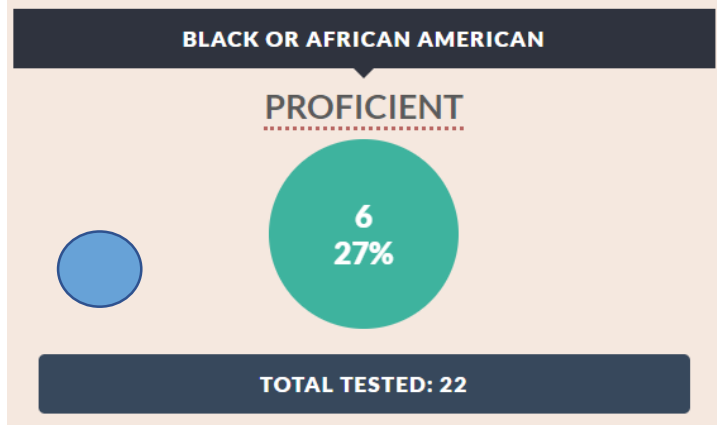
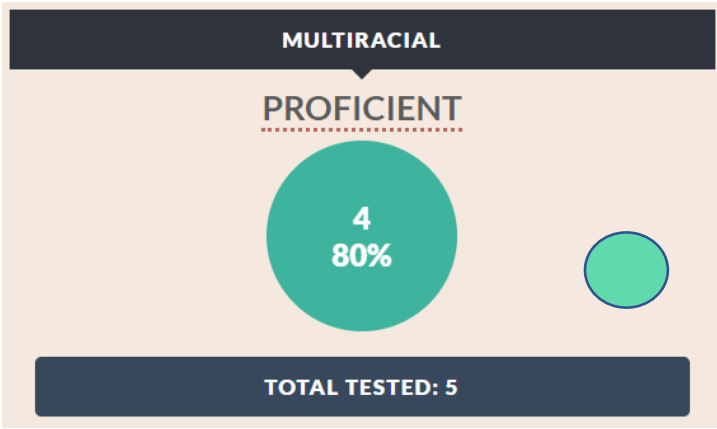
Source: <https://data.nysed.gov>



2018 ELA



2018 MATH





Comparison of State Test Results from 2016 to 2018

Percentage of Students with 3s and 4s

Cohort Rankings in Westchester (~40 Districts)

E L A	2016		2017		2018		2016		2017		2018	
	Grade	Building %3/4	Grade	Building %3/4	Grade	Building %3/4	Grade	District Ranking	Grade	District Ranking	Grade	District Ranking
					3	63%					3	28
			3	62%	4	52%			3	26	4	29
	3	71%	4	59%	5	64%	3	12	4	22	5	10
	4	52%	5	55%	6	68%	4	29	5	24	6	21
	5	50%	6	63%	7	83%	5	15	6	8	7	1
	6	63%	7	67%	8	75%	6	13	7	14	8	7
M A T H	2016		2017		2018		2016		2017		2018	
	Grade	Building %3/4	Grade	Building %3/4	Grade	Building %3/4	Grade	District Ranking	Grade	District Ranking	Grade	District Ranking
					3	61%					3	30
			3	65%	4	70%			3	26	4	19
	3	66%	4	71%	5	70%	3	16	4	12	5	19
	4	64%	5	71%	6	77%	4	27	5	18	6	13
	5	53%	6	77%	7	59%	5	26	6	7	7	23
	6	63%	7	69%	8	78%*	6	20	7	17	8	**

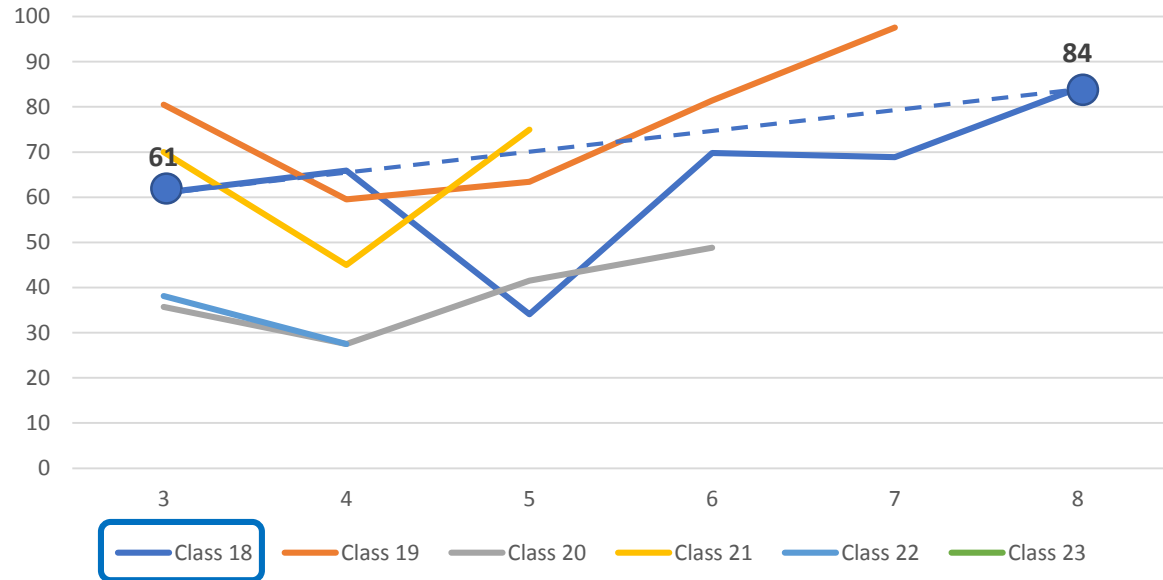
* Combined proficiency rates of Math 8 and Algebra I. Students in advanced Algebra (about 75% of all 8th graders) did NOT take Mat

** No ranking is available at this time for combined Math 8 / Algebra I success rates

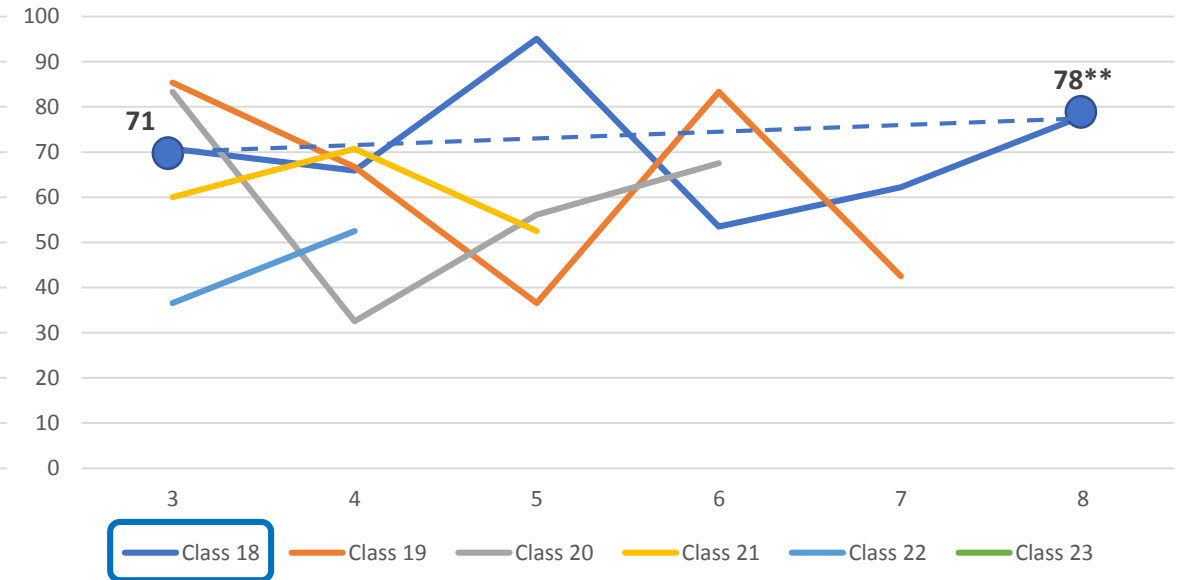


5 Years of Progress: Tracking Each Cohort's Performance from 3rd Grade through 8th Grade

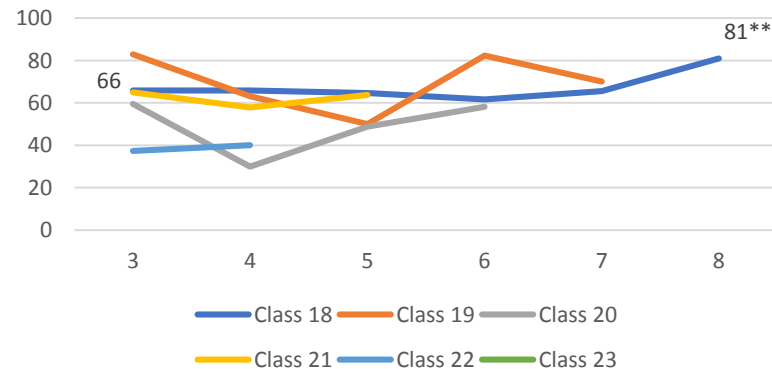
ELA: District Percentile Rankings in Westchester By Cohort Over Time



Math: District Percentile Rankings in Westchester By Cohort Over Time

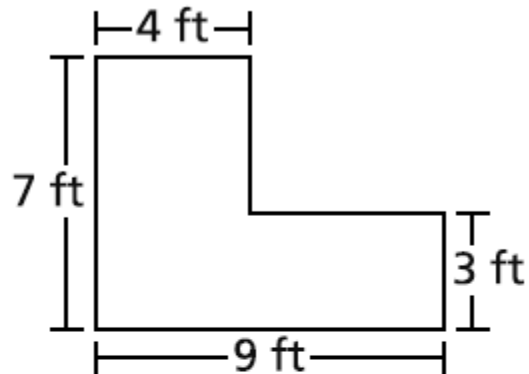


Combined Average ELA & Math: Percentile Rankings In Westchester, By Cohort Over Time



****8th grade math results include combined proficiency rates of students taking Math 8 and Regents Algebra – a combined math percentile ranking in Westchester is not available at this time.**

31 The shape of Cindy's flower garden is shown below.



3.MD.C.7d
MC31
Region: 44%
District: 29%
Building: 30%

← Here is that question to explore as a class. Which incorrect answer did students tend to select? What conceptual understandings need to be supported further as a result? What anchor tasks or center work can we develop to strengthen their skills?

What is the area, in square feet, of Cindy's flower garden?

- A 23
- B 32
- C 43
- D 47

6.G.A.1
MC22
Region: 46%
District: 65%
Building: 68%

22 A shape is made of 12 right triangles of equal size. Each right triangle has a base of 4 cm and a height of 5 cm. What is the total area, in square centimeters, of the shape?

- A 10
- B 60
- C 120
- D 240

Here is a geometry question older students did well on relative to the region. Are there cross-cutting concepts and instructional strategies?



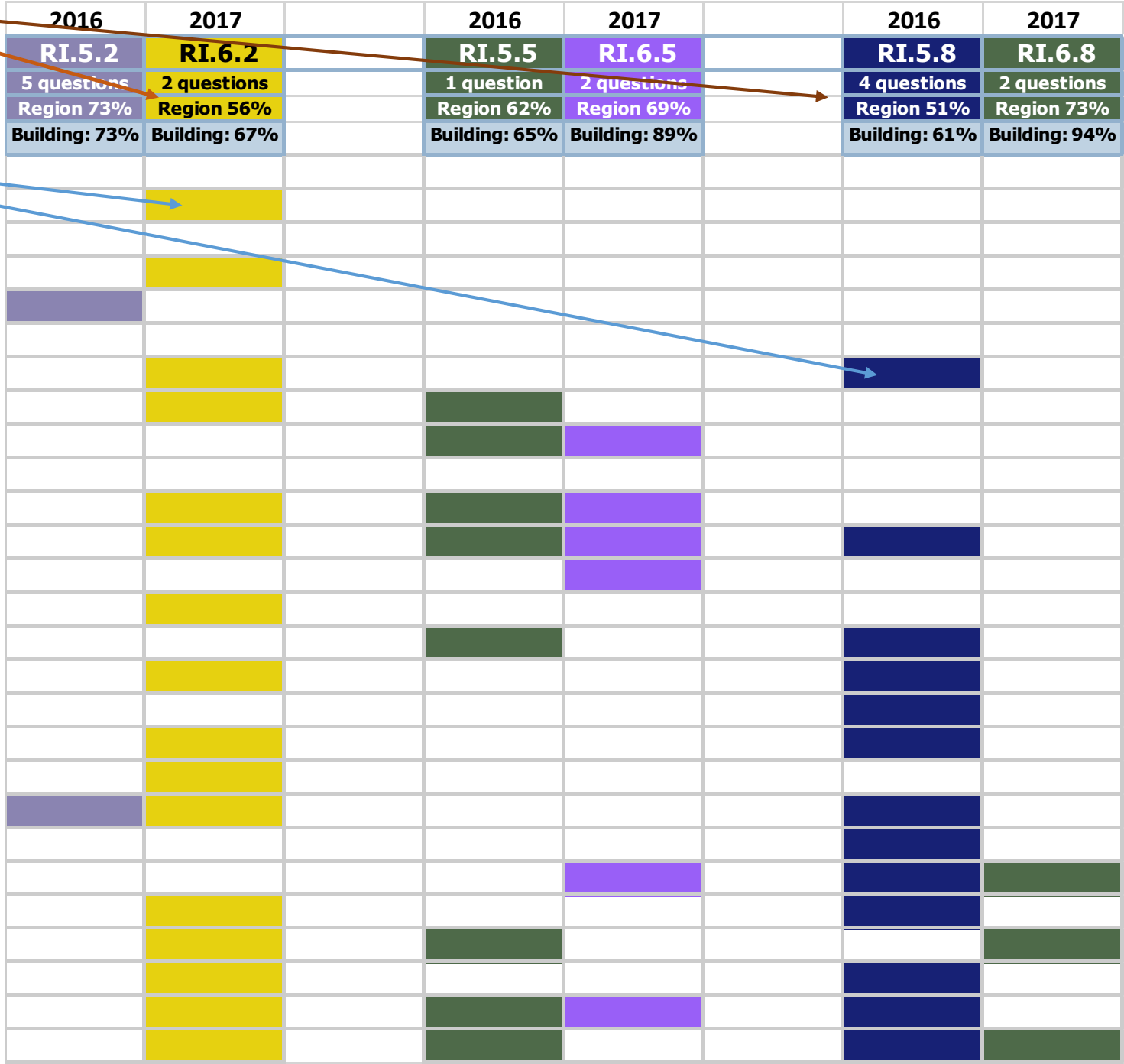
Some Standards had questions that were very difficult, creating the look of struggling students.

Grade 5 >> Grade 6
ELA

**TRACKING SUCCESS
YEAR TO YEAR**

Comparing State testing data is not always comparing apples to apples. We also have to look at the number of questions and relative degree of difficulty. Without that context, looks can be deceiving.

2016	2017		2016	2017		2016	2017
RI.5.2	RI.6.2		RI.5.5	RI.6.5		RI.5.8	RI.6.8
5 questions	2 questions		1 question	2 questions		4 questions	2 questions
Region 73%	Region 56%		Region 62%	Region 69%		Region 51%	Region 73%
Building: 73%	Building: 67%		Building: 65%	Building: 89%		Building: 61%	Building: 94%



RL.4.3
MC22
Region: 63%
District: 64%
Building: 67%

“Describe in depth a character, setting, or event in a story or drama, drawing on specific details in the text (e.g., a character’s thoughts, words, or actions).”

RL.7.3
MC27
Region: 68%
District: 83%
Building: 83%

“Analyze the interactions between individuals, events, and ideas in a text (e.g., how ideas influence individuals or events, or how individuals influence ideas or events).”

22

Which sentence from the story **best** shows how a character’s actions help to develop the story?

- A “You must not leave the camp until the brolgas have left.”
(paragraph 6)
- B “She wove baskets from the reeds the other children collected.”
(paragraph 7)
- C “Slipping out of the camp, she rushed down to the riverbank to dance with the cranes.” (paragraph 8)
- D “Her mother looked for her throughout the camp and, not finding her there, searched near the river.” (paragraph 9)

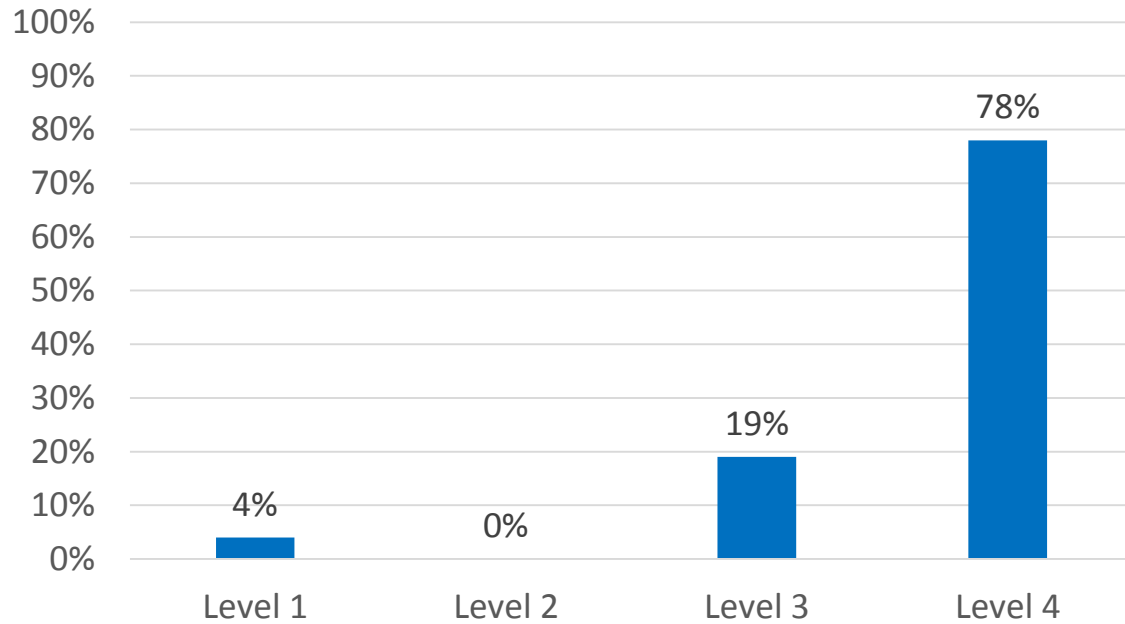
27

Which paragraph **best** shows a change in the direction of the plot of the story?

- A paragraph 6
- B paragraph 7
- C paragraph 12
- D paragraph 15

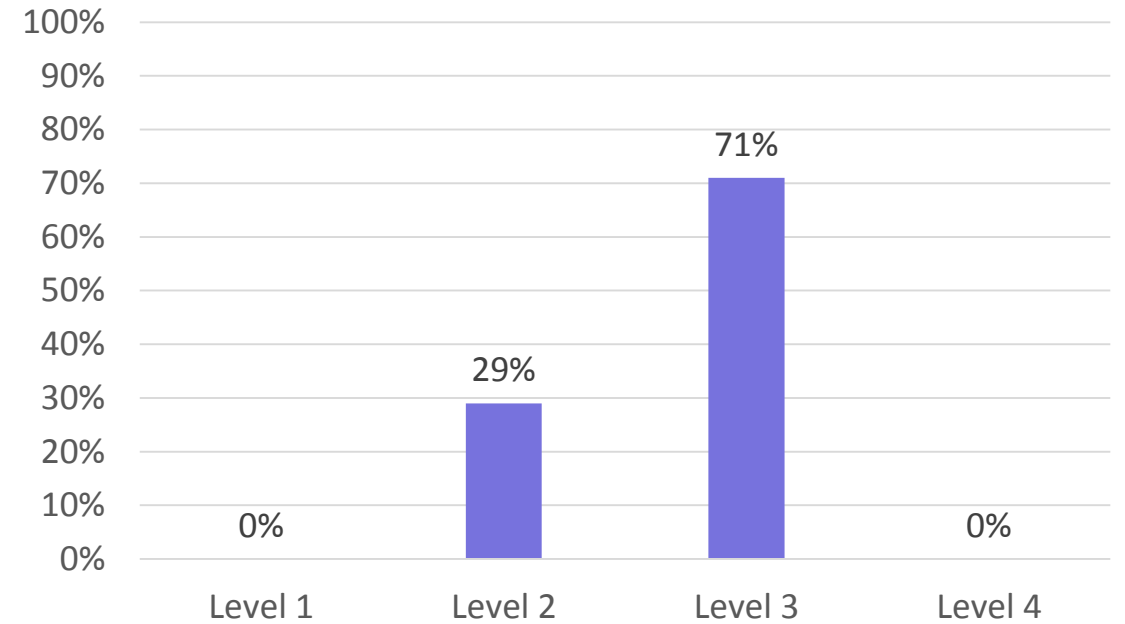
2018 Science 4 and Science 8

Grade 4 Science



27 Students

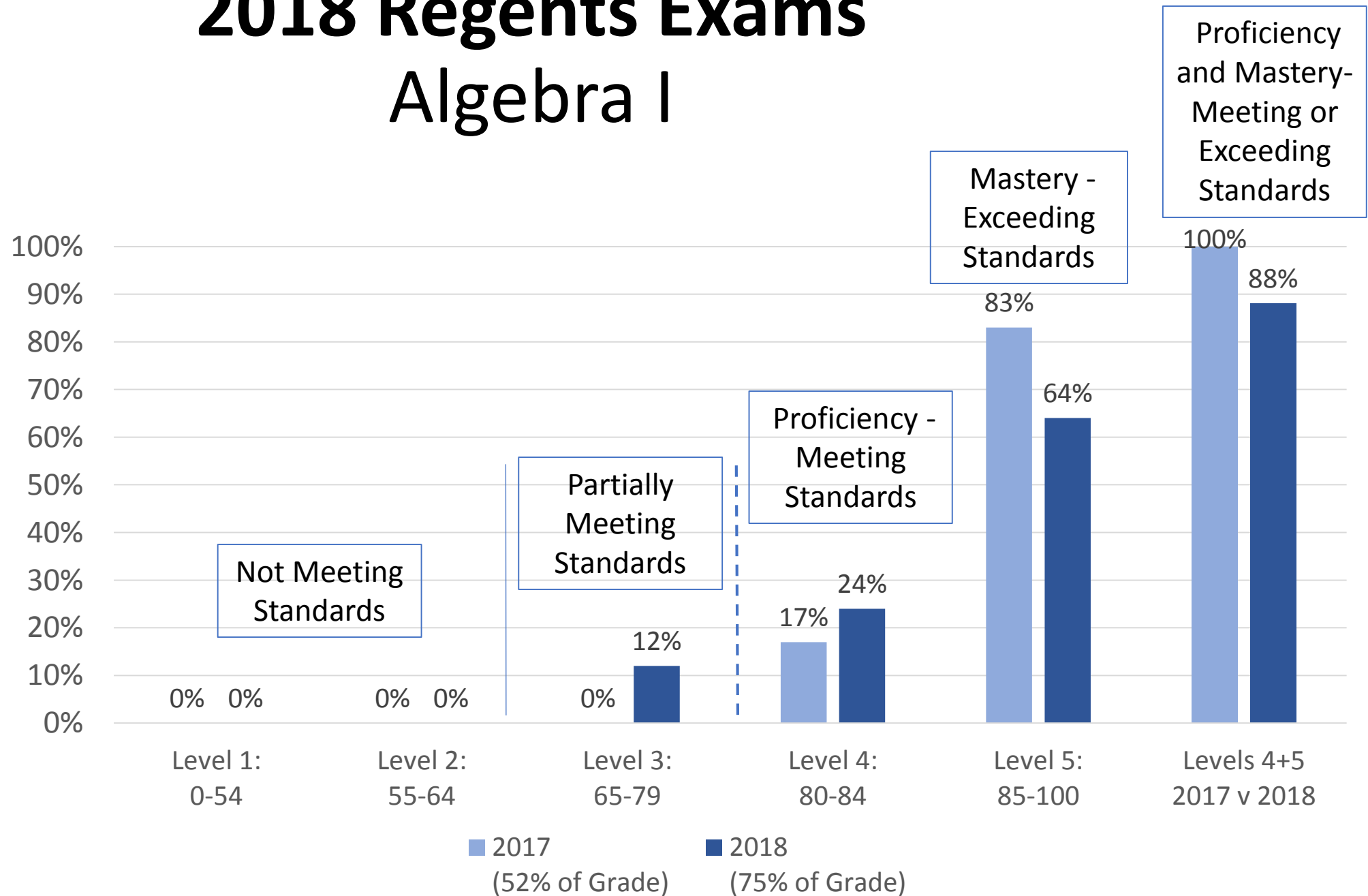
Grade 8 Science



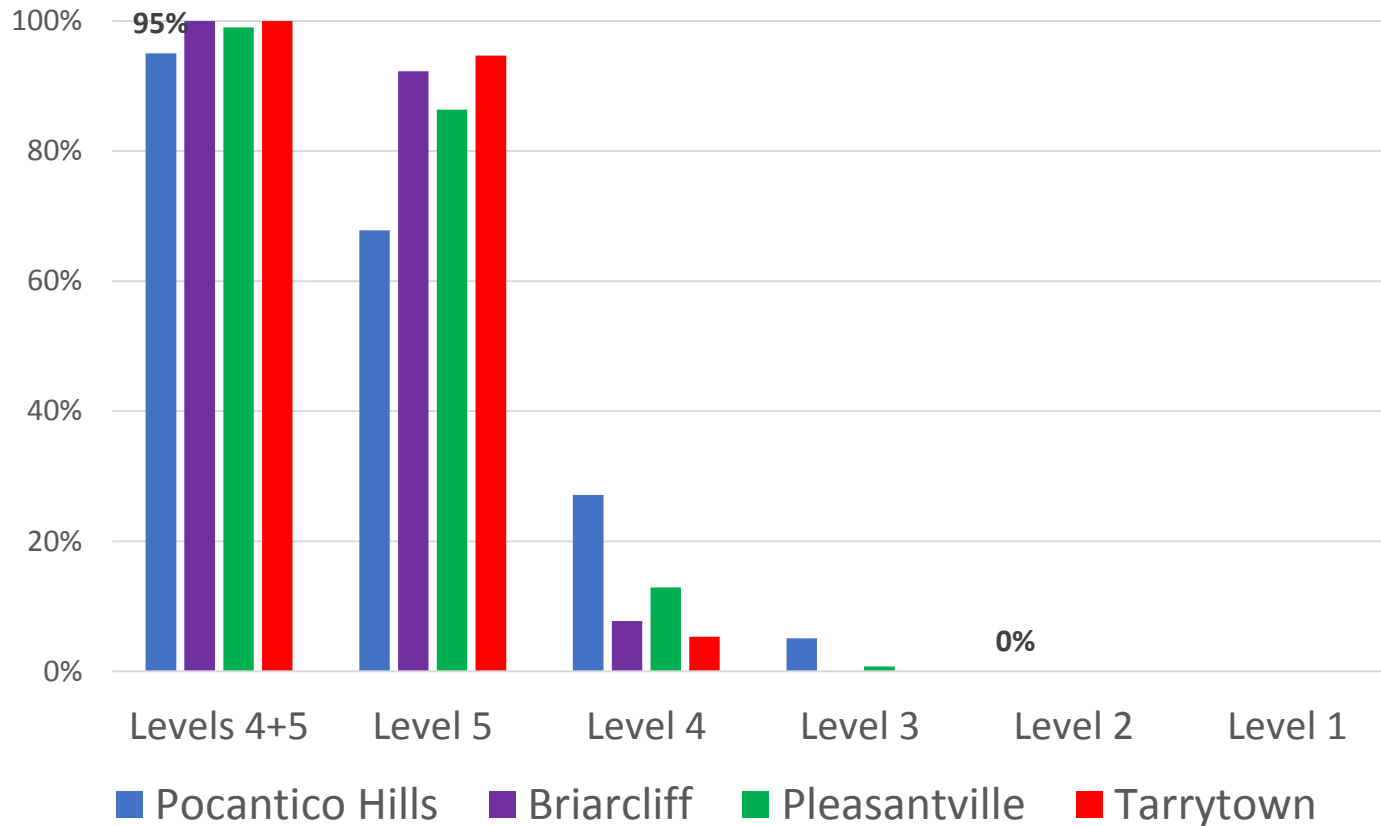
7 Students *

(* 27 Students took Regents Living Environment)

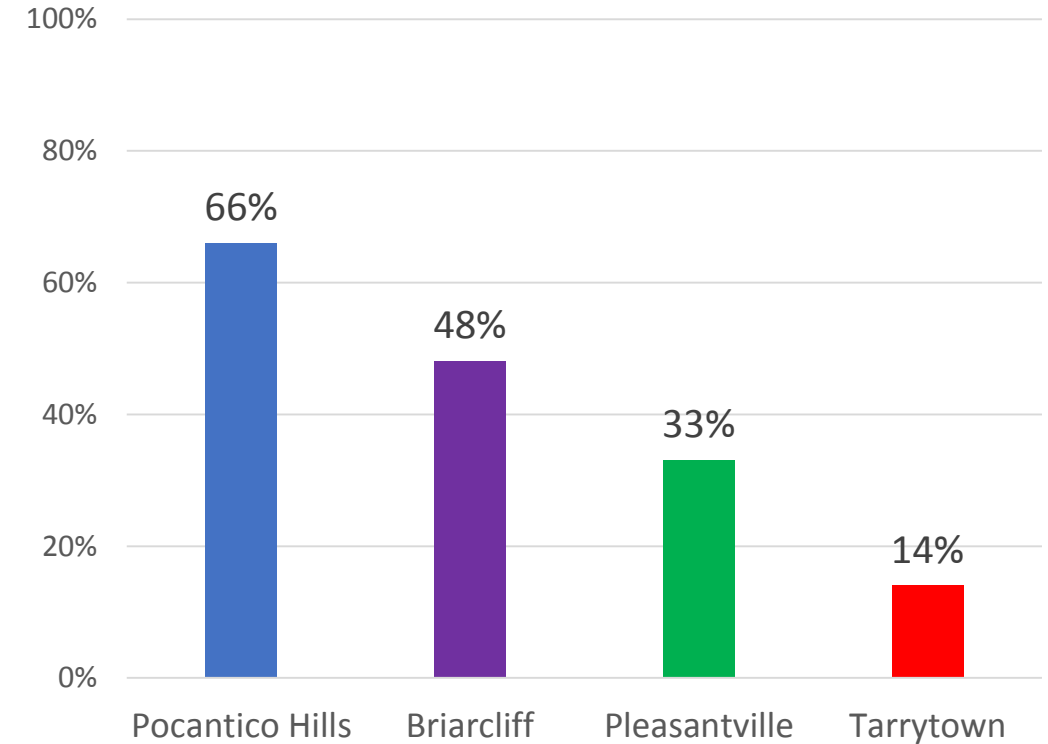
2018 Regents Exams Algebra I



Algebra Regents: 3-Year Cumulative Success Rate By Performance Level



Algebra: 3-Year Cumulative Algebra Enrollment as a Percentage of Total 3-Year Cohort Enrollment

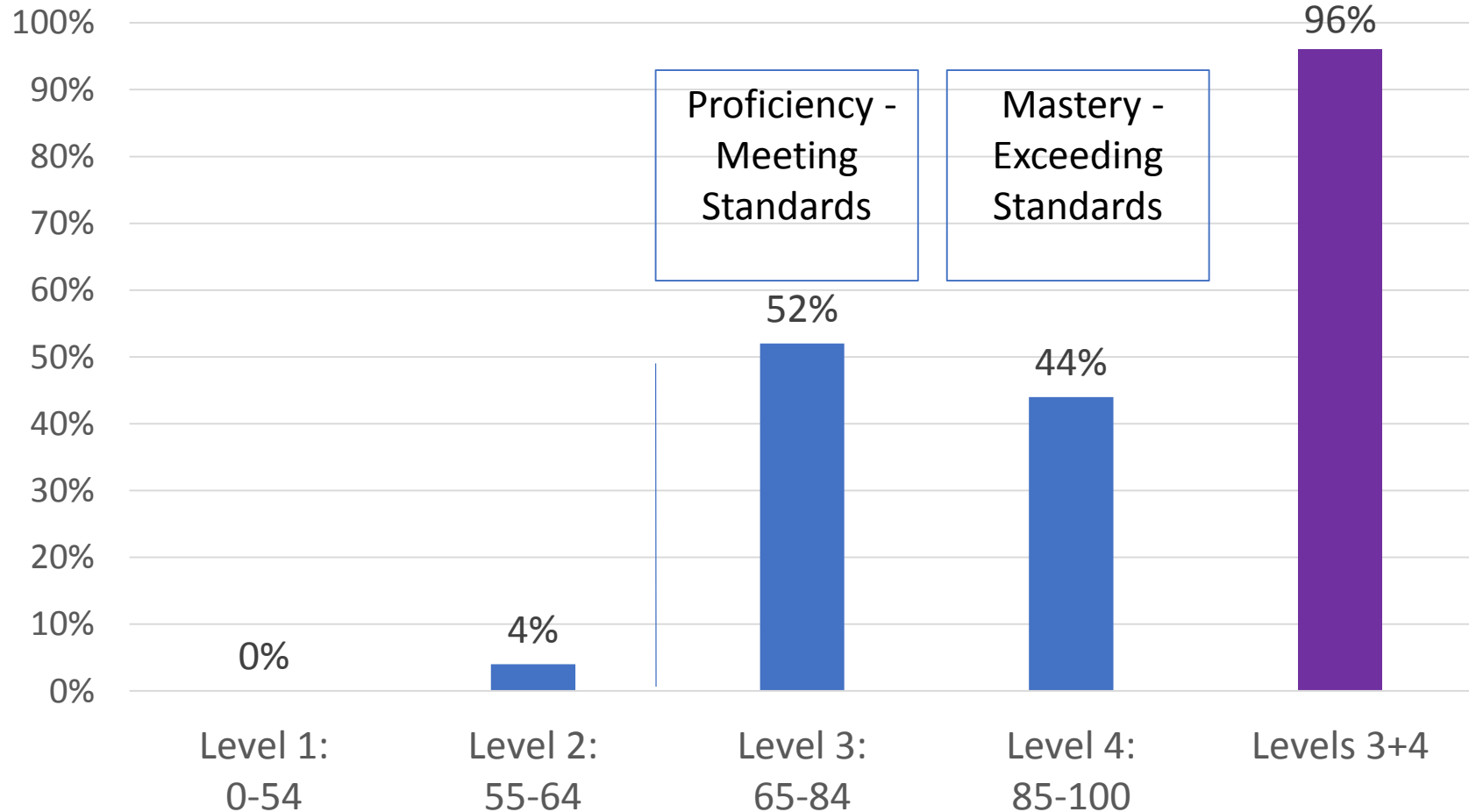


Pocantico Hills' open enrollment for Algebra draws a broad spectrum and significantly higher percentage of 8th grade students into the class each year.

2018 Regents Exams Living Environment

2018: Year 1

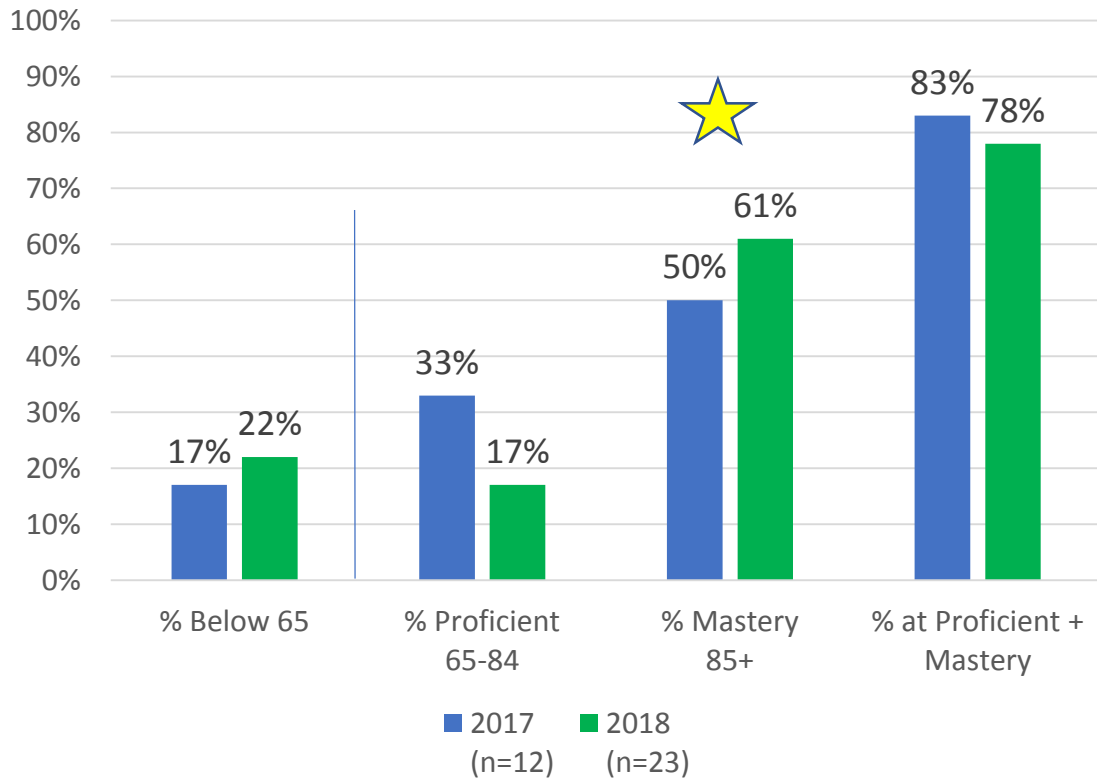
85% of the
Grade in the
Course



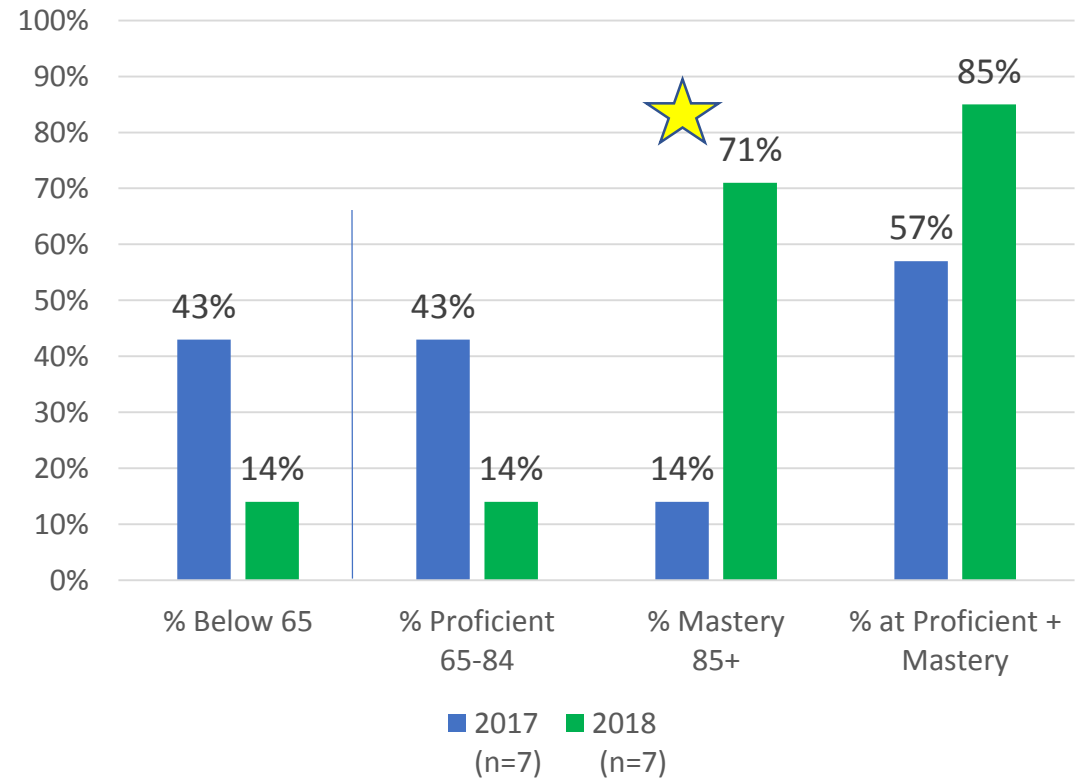
World Language – FLACS Exams

Spanish and French

Spanish FLACS: Percentage of Students by Level



French FLACS: Percentage of Students by Level

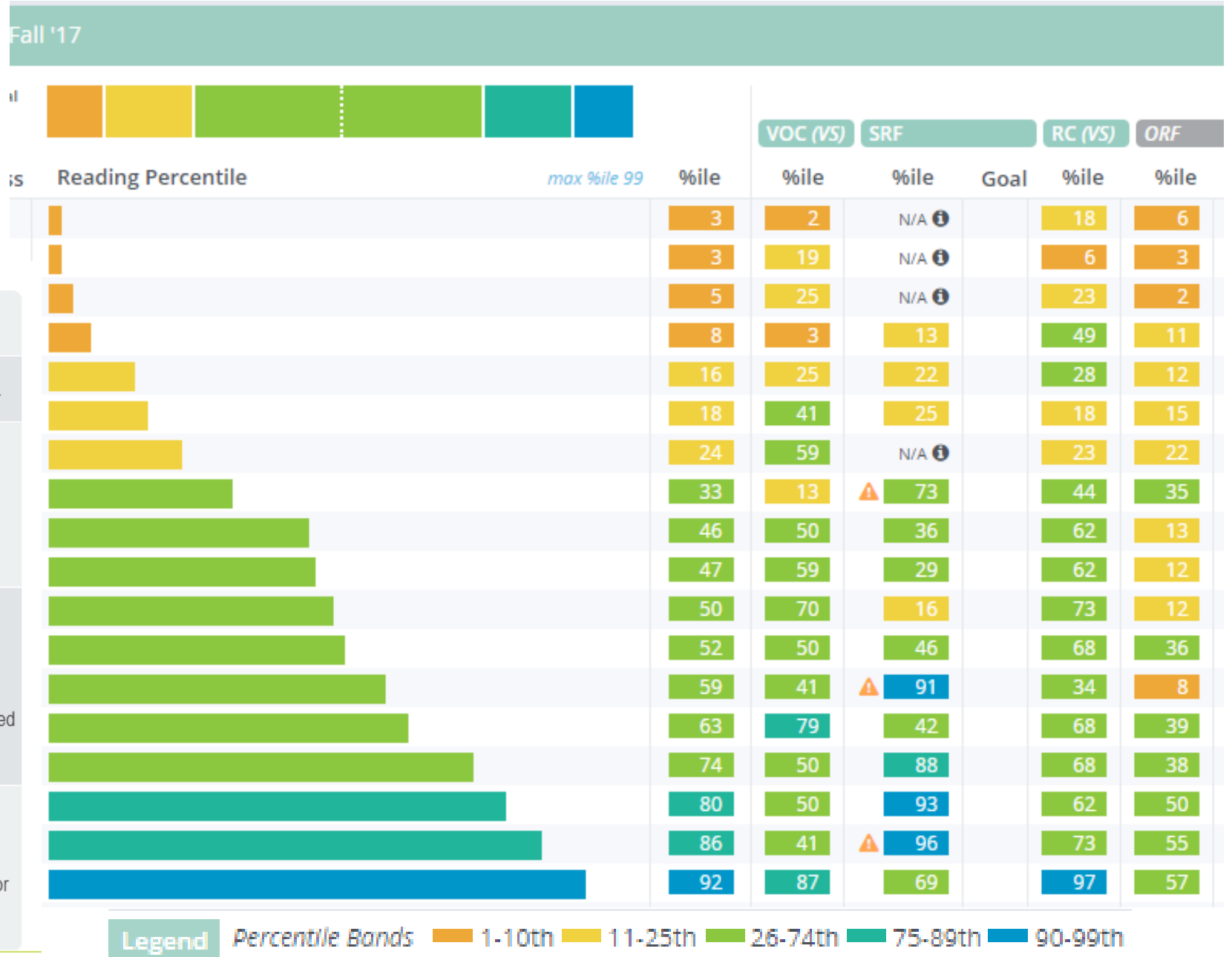


School-Based Assessment: aimswebPlus Reading



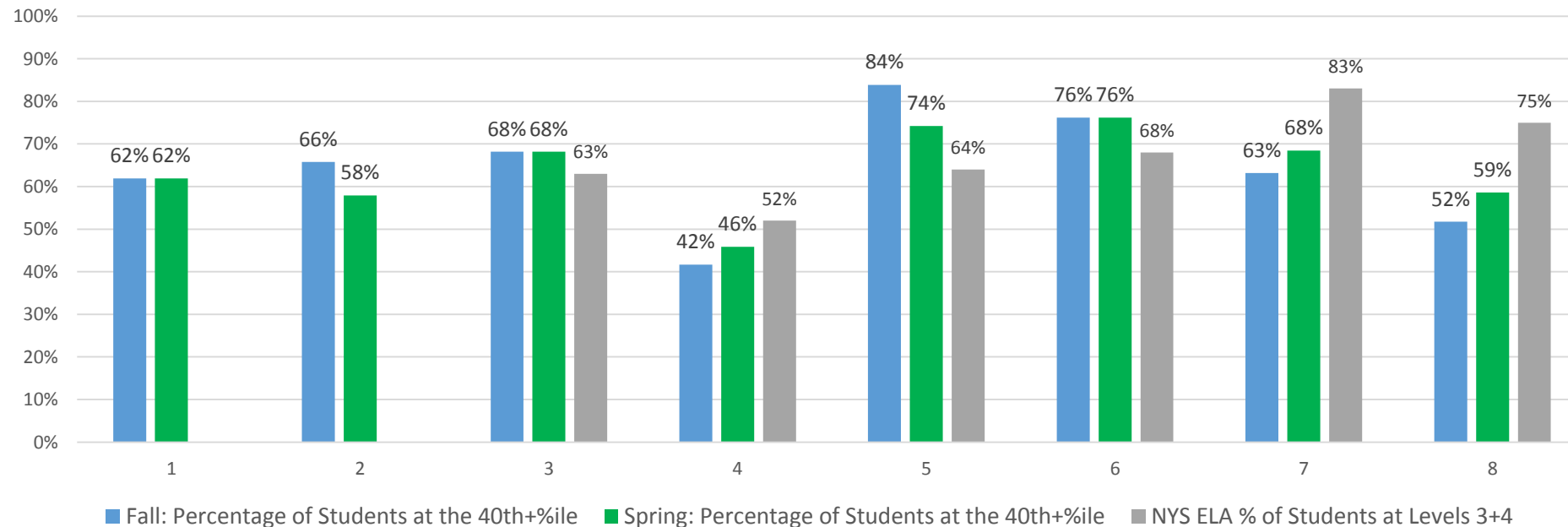
▼ Reading

Acronym	Measure Name	What the student does
ORF	Oral Reading Fluency	Student reads a story aloud for one minute.
RC	Reading Comprehension	Student reads six passages of text and answers four multiple-choice questions about each passage. 24 total items. Benchmark screening only.
SRF	Silent Reading Fluency	Student reads three stories (each divided into four brief segments) and answers four multiple-choice questions about each story (one question per segment). Student is timed while reading the segments. 12 total items.
VOC	Vocabulary	Student identifies the meanings of target words by selecting from multiple-choice options. 16 items for 2nd grade. 22 items for grades 3 and up. Benchmark only.



K-8 School-Based Assessments: aimswEBPlus Reading

aimswEB Reading Benchmark: Oral Reading Fluency & State Assessments



Note: Students who did not take the NYS ELA exam are not included in this aimswEB data.

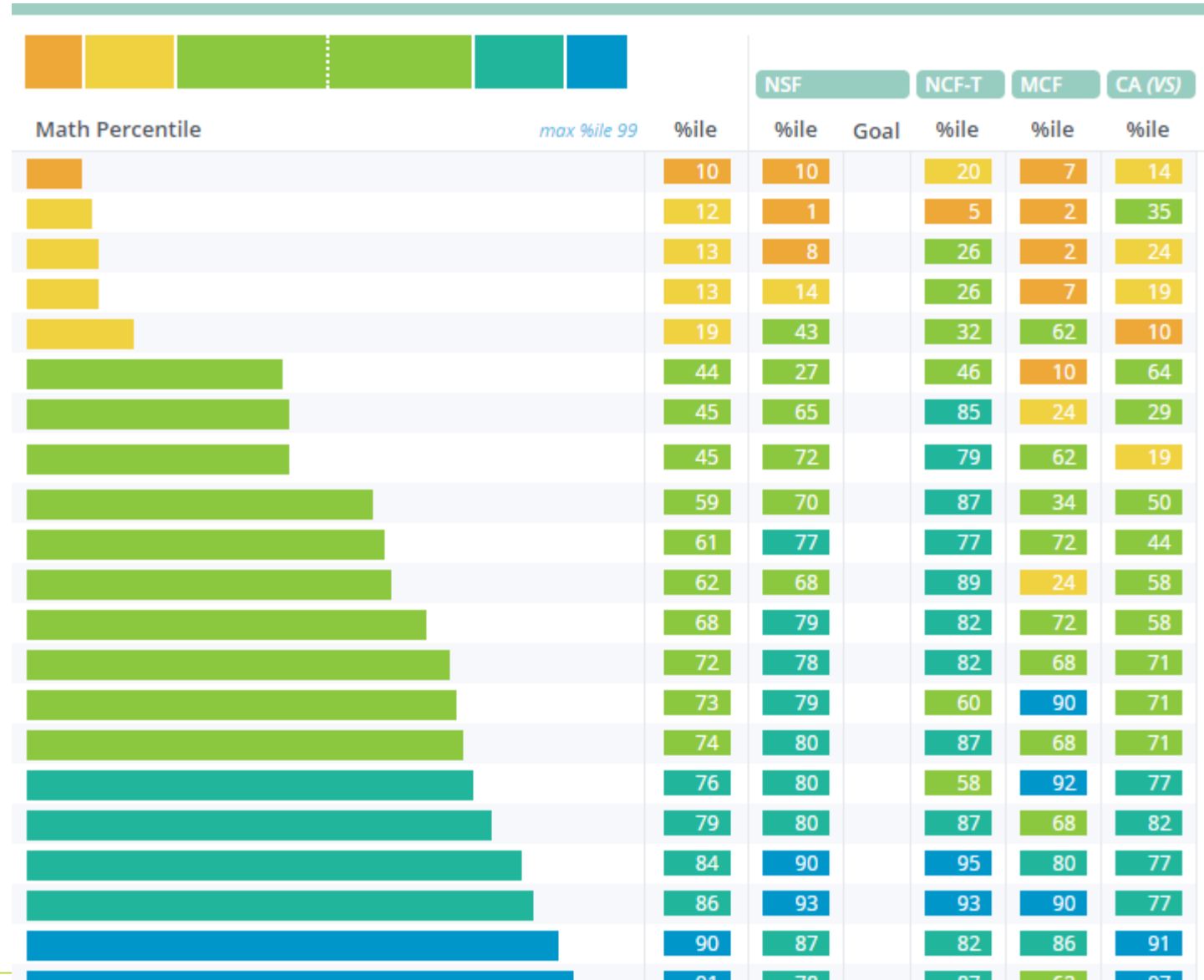
- As part of our work in data meetings, we saw a correlation between the aimswEB Oral Reading Fluency (ORF) subtest and State Assessment scores.
- Students below the 40th %ile were given additional support in class as part of the universal support model.
- Note: An increase in the percentile rank implies above average growth.

School-Based Assessment: aimswebPlus Math



▼ Math

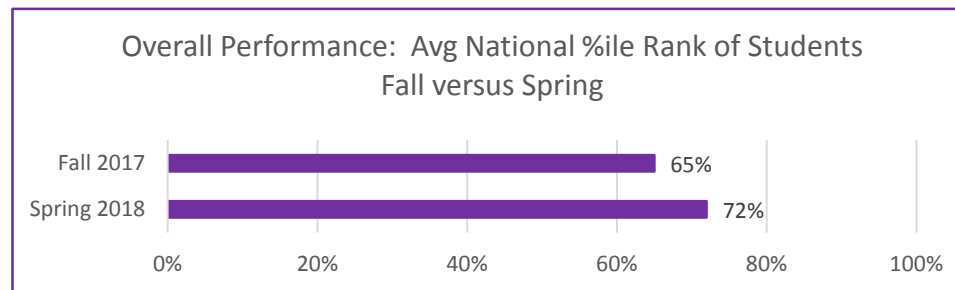
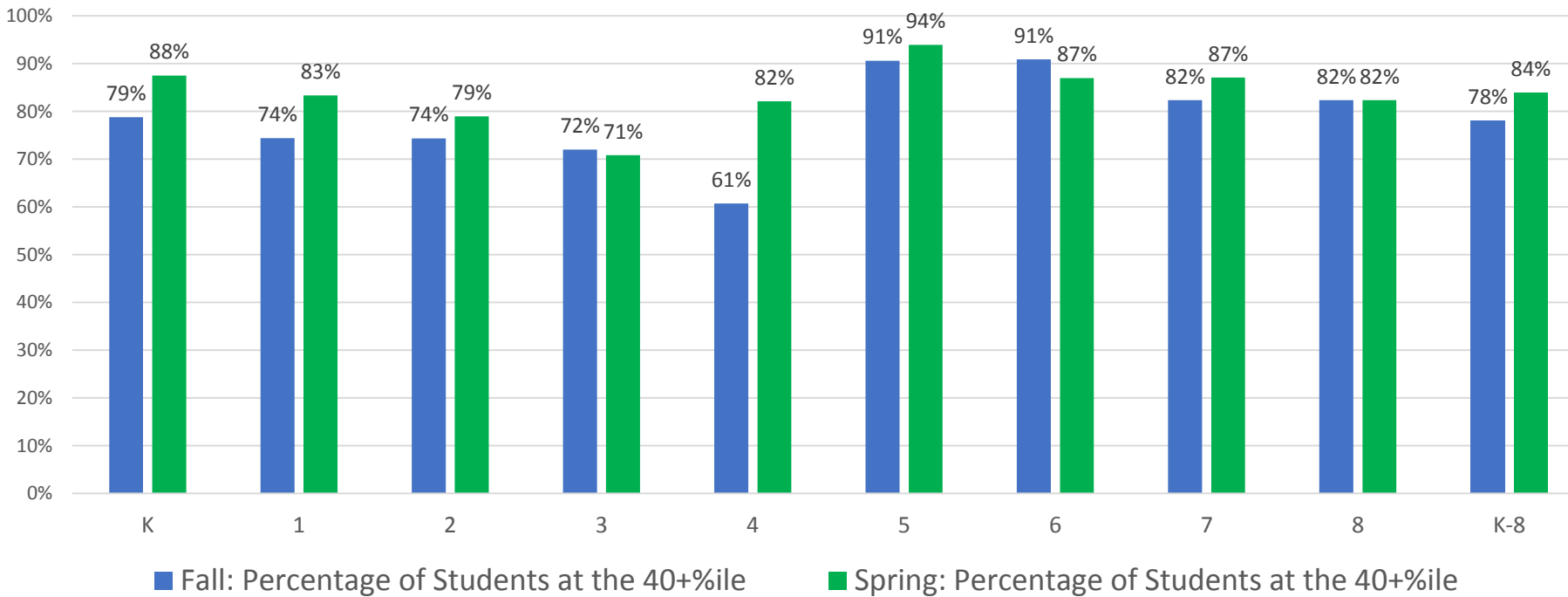
Acronym	Measure Name	What the student does:
CA	Concepts & Applications	Student solves multiple-choice math word problems. 30 items total. Benchmark only.
MCF	Mental Computation Fluency	Student mentally solves multiple-choice math computation problems for four minutes.
NCF-T	Number Comparison Fluency- Triads	Student mentally solves multiple-choice math problems, each requiring the student to assess magnitude while comparing a set of three numbers for three minutes.
NSF	Number Sense Fluency	This is a summary of performance from the Number Comparison Fluency-Triads and Mental Computation Fluency tests.



Legend Percentile Bands 1-10th 11-25th 26-74th 75-89th 90-99th

K-8 School-Based Assessments: aimswebPlus Math

aimsweb Math Benchmark: Growth on Concepts and Applications Subtest



- As part of our work in data meetings, we analyzed the results of the aimsweb math subtests, including Concepts & Applications.
- Students below the 40th %ile were given additional support in class as part of the universal support model.
- Note- “Avg National %ile” column: An increase in the percentile rank implies above average growth.

Transitioning to High School: Pocantico Hills Class of 2014 High School Graduating Class of 2018



Pocantico Hills School



Pleasantville High School



Briarcliff High School

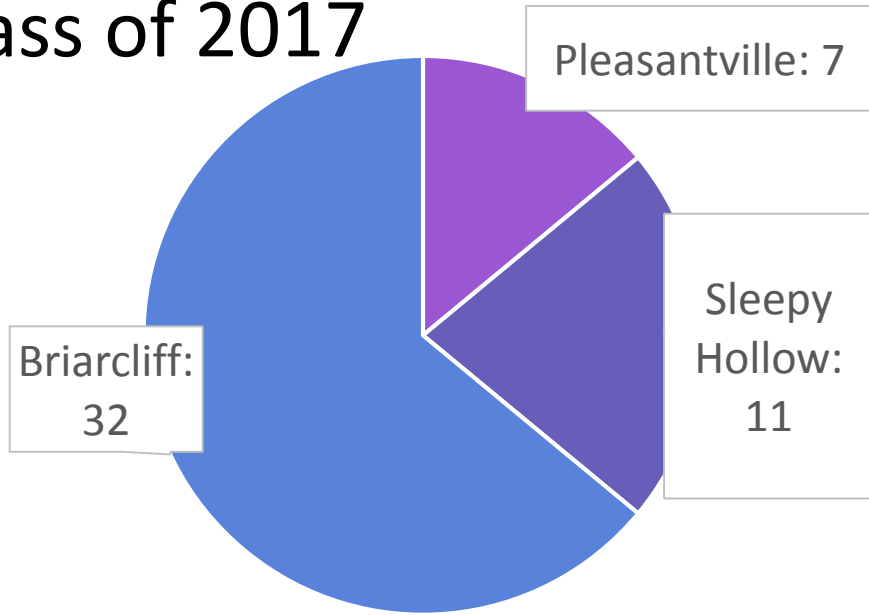


Sleepy Hollow High School

Pocantico Hills – HS Graduating Class of 2018: 29 Students

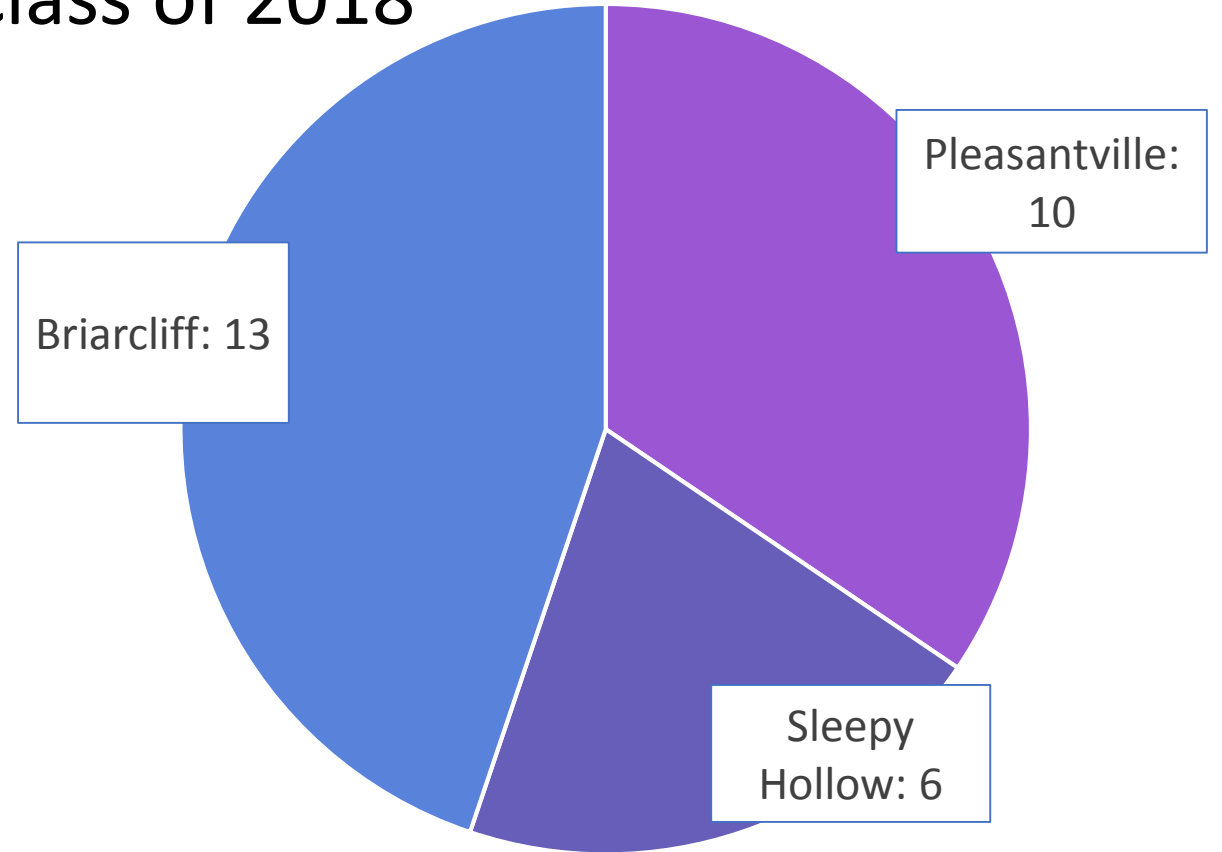
Graduation Distribution in Partner High Schools

Class of 2017



■ Pleasantville ■ Sleepy Hollow
■ Briarcliff

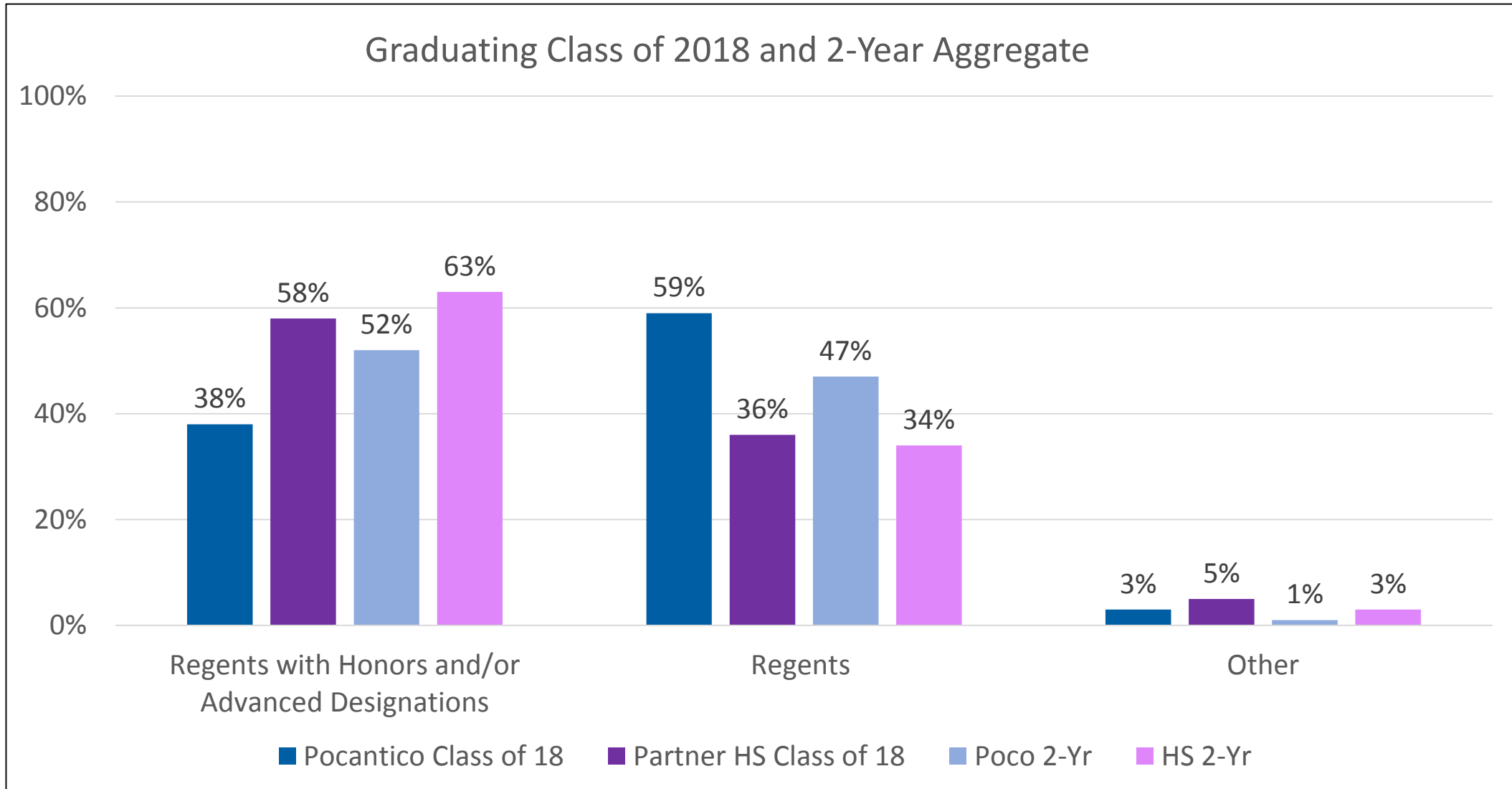
Class of 2018



■ Pleasantville ■ Sleepy Hollow
■ Briarcliff

Pocantico Hills Graduating Class of 2018

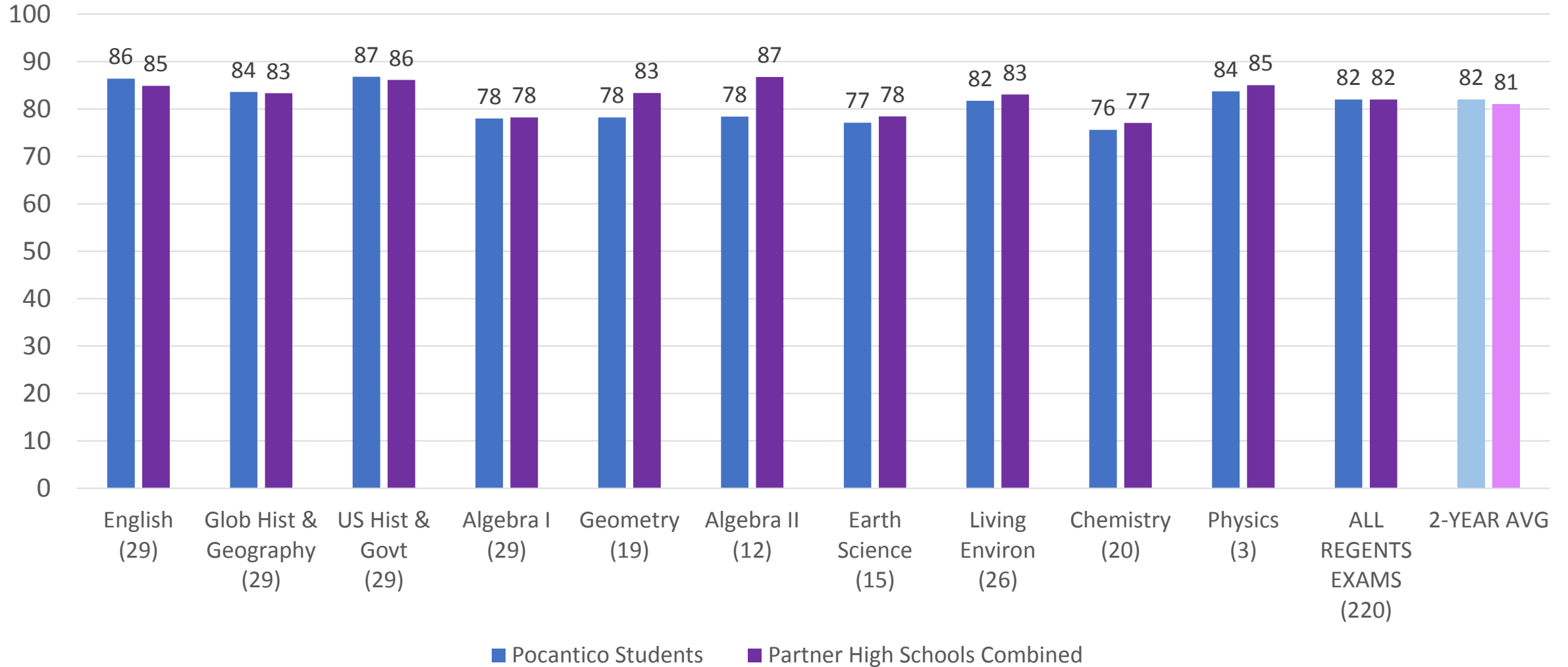
High School Diploma Type



Pocantico Hills Graduating Class of 2018

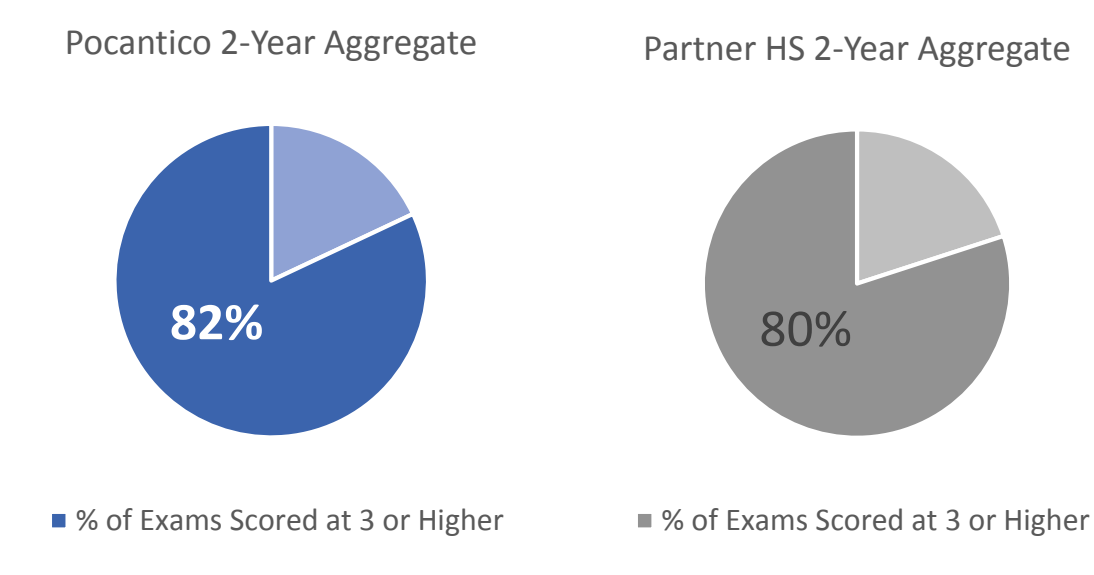
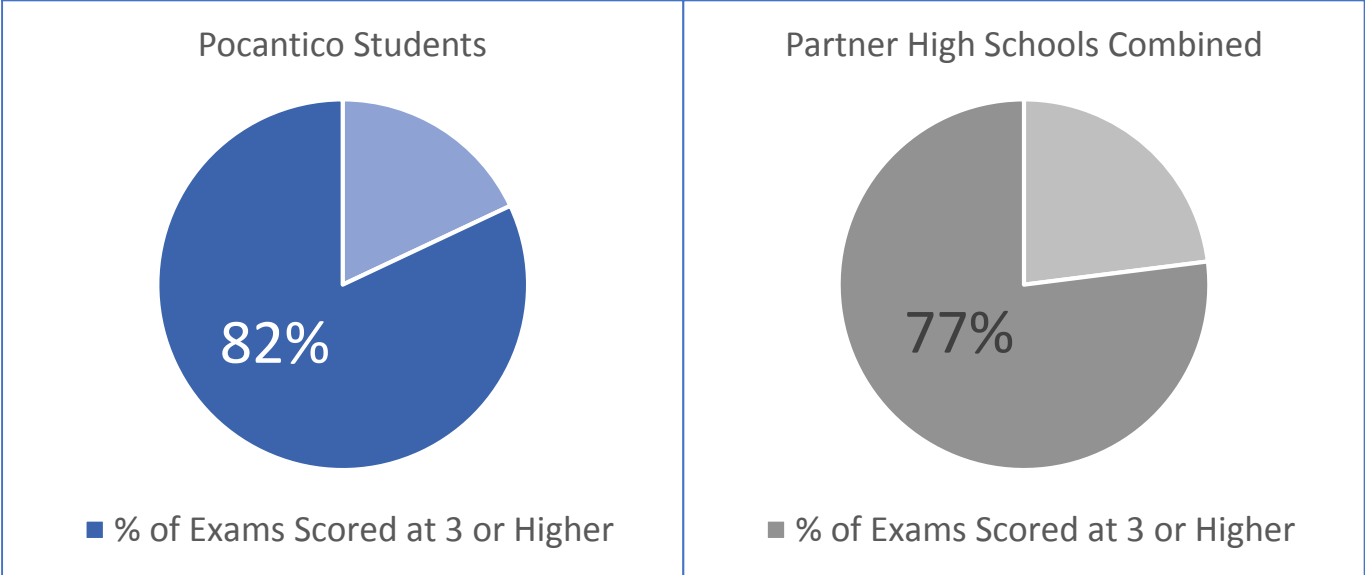
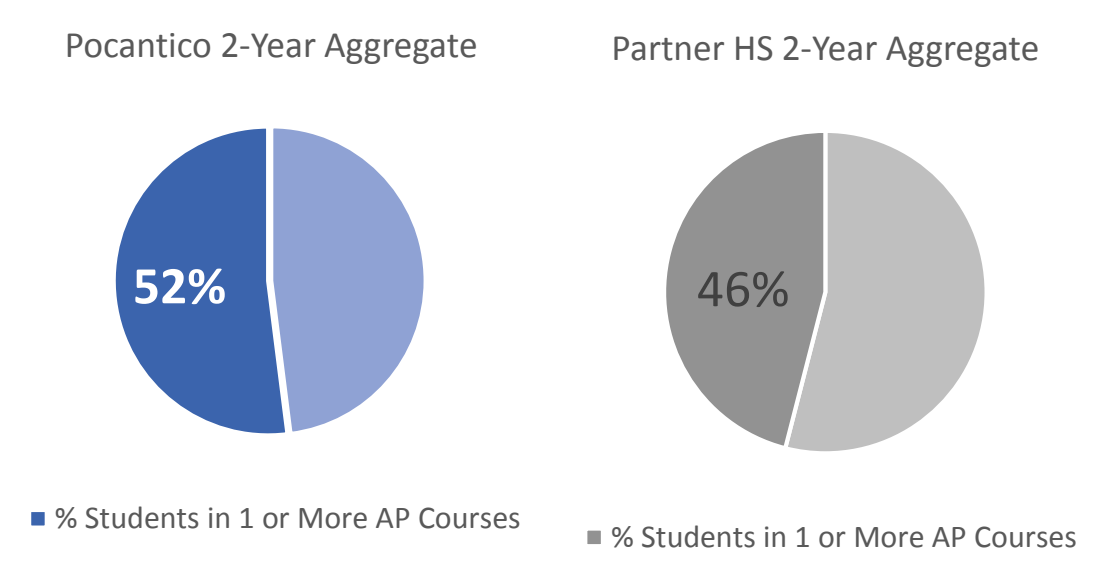
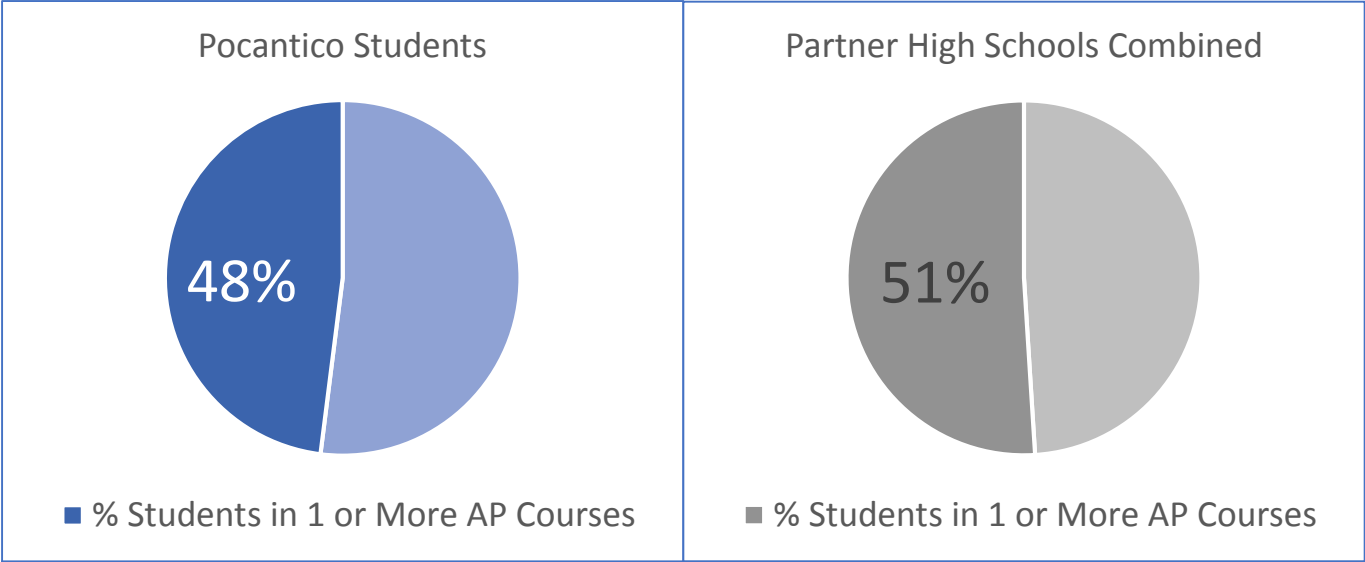
Average Scores on Regents Exams

(Number of Pocantico Tests Taken in Parentheses)



Pocantico Hills Graduating Class of 2018

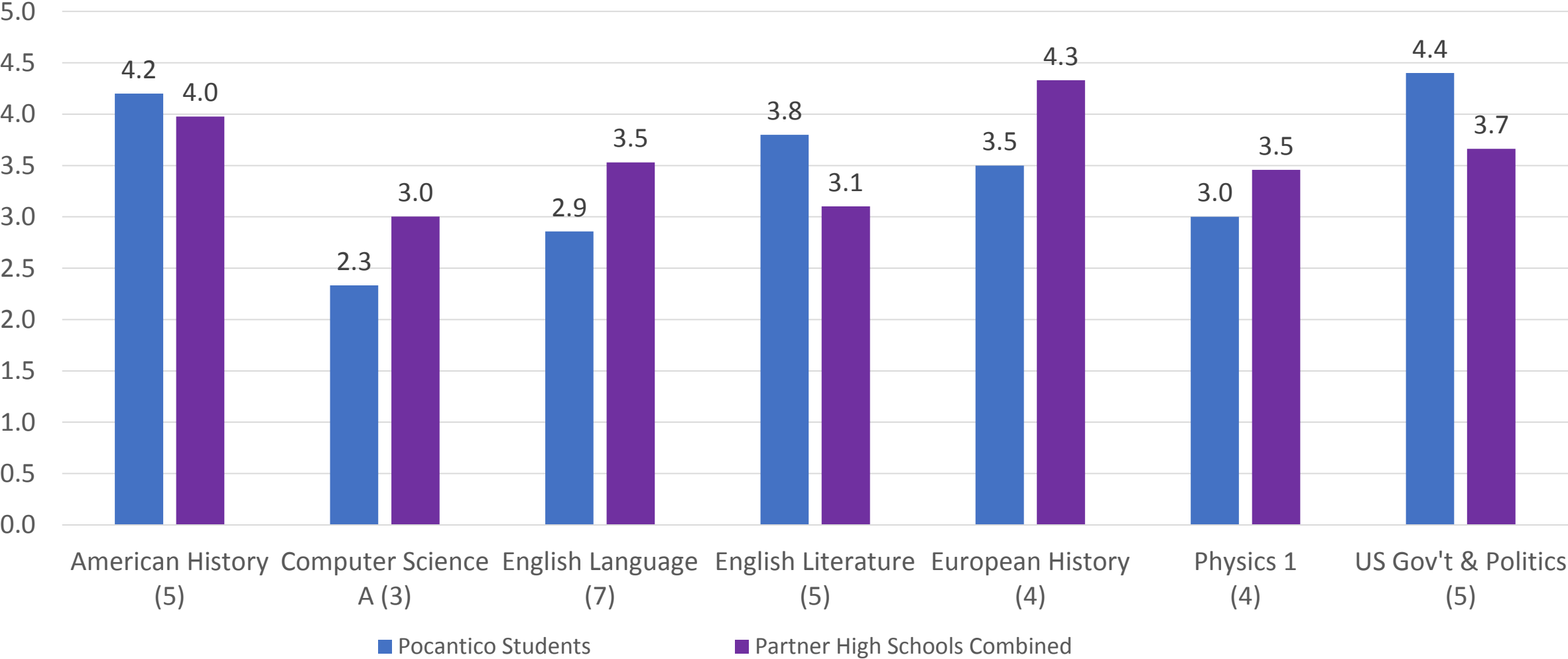
AP Course Enrollment & Performance on AP Exams



Pocantico Hills Graduating Class of 2018

Average Scores on AP Exams

(Number of Pocantico Tests Taken in Parentheses – Minimum of 3)





Pocantico Hills Graduating Class of 2018

AP Courses Taken

American History

Calculus AB

Calculus BC

Chemistry

Computer Science A

Computer Science Principles

English Language

English Literature

Environmental Science

European History

Macroeconomics

Physics 1

Physics 2

Psychology

Spanish Language

Studio Art

US Government & Politics

World History



Pocantico Hills Graduating Class of 2018

AP and National Merit Recognition



2018

AP Scholars 8

National Merit

Semi-Finalists 1

2-Year Aggregate

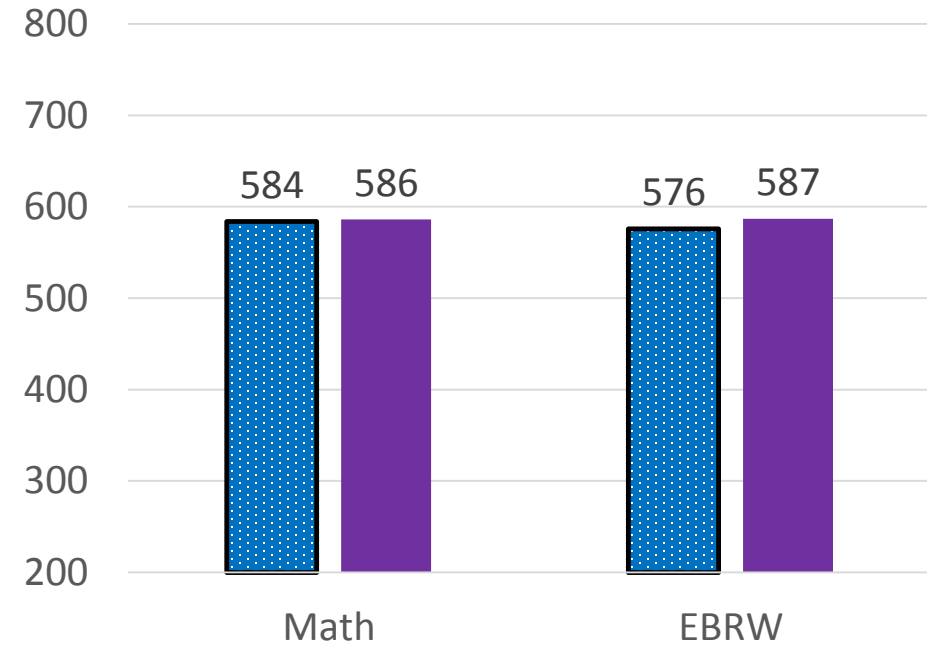
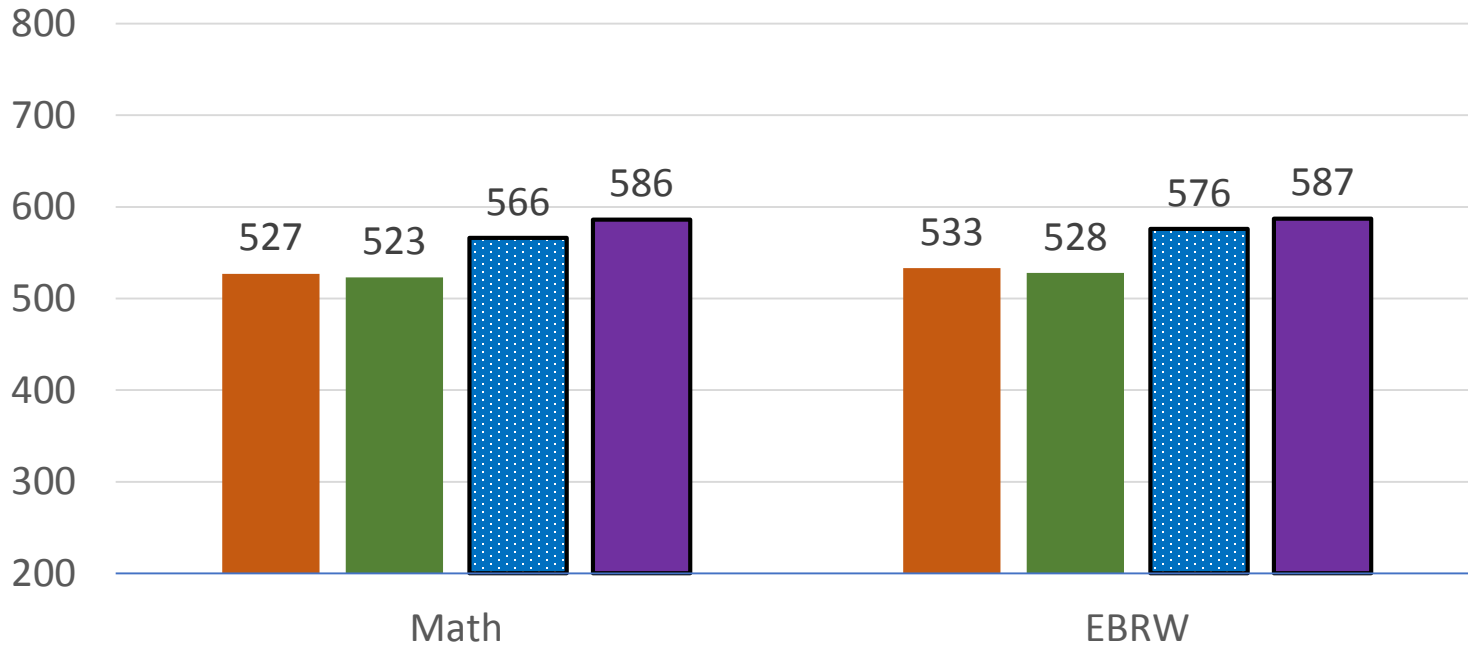
AP Scholars 24

National Merit

Semi-Finalists 2

Pocantico Hills Graduating Class of 2018

Average SAT Scores



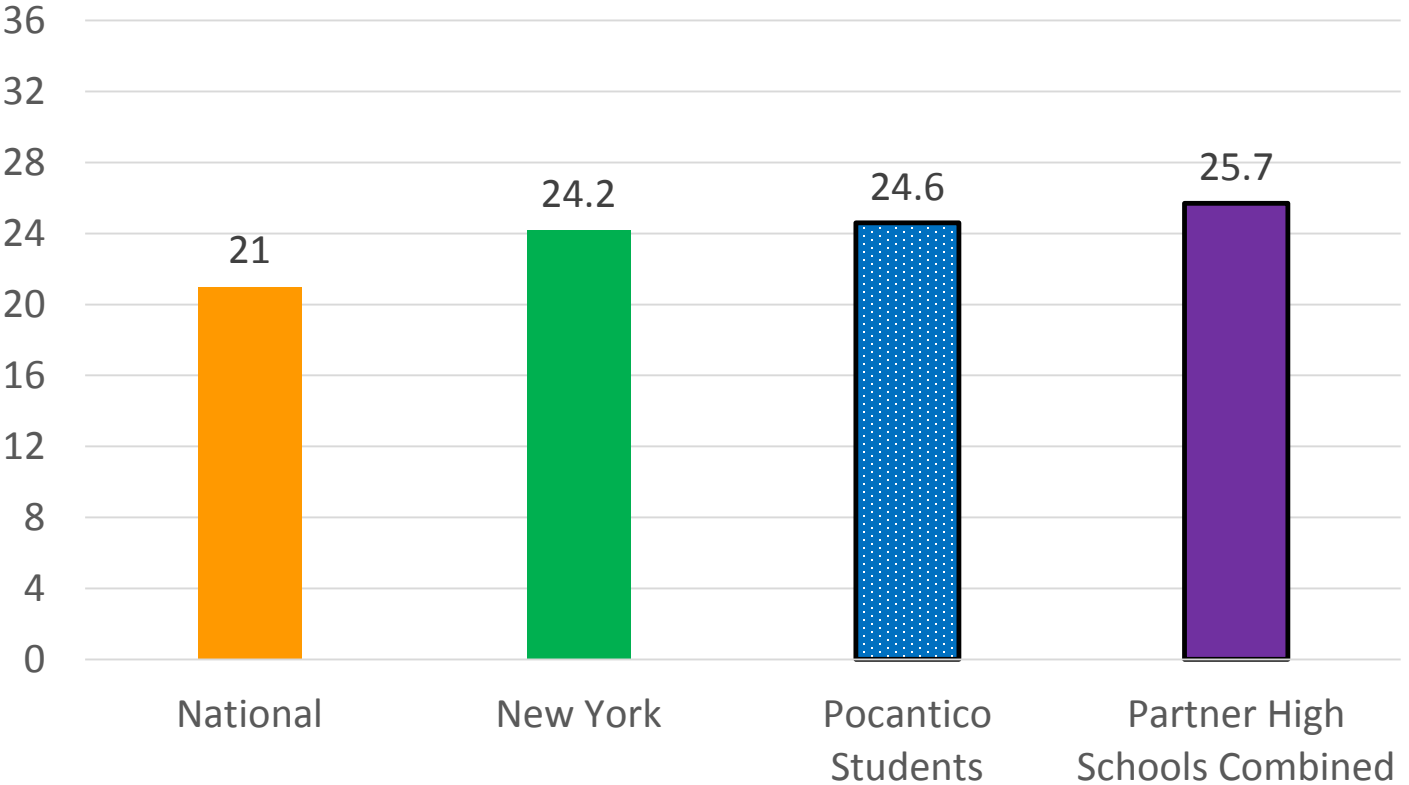
- National
- New York
- Pocantico Students
- Partner High Schools Combined

- Poco 2-Yr Aggregate
- HS 2-Yr Aggregate

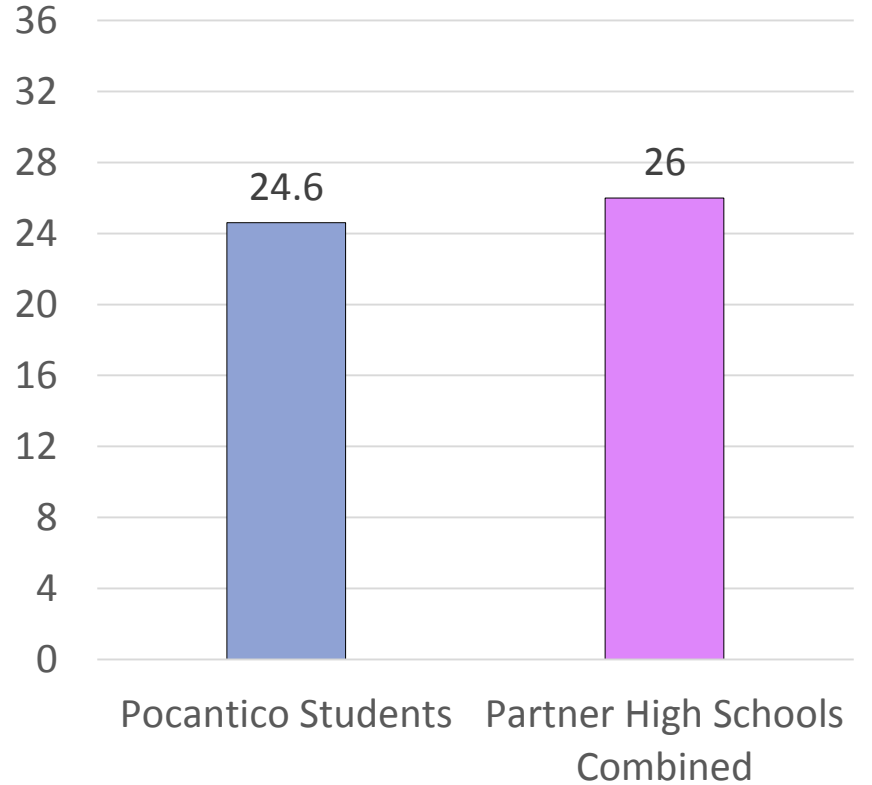
Pocantico Hills Graduating Class of 2018

Average ACT Scores

Composite Score

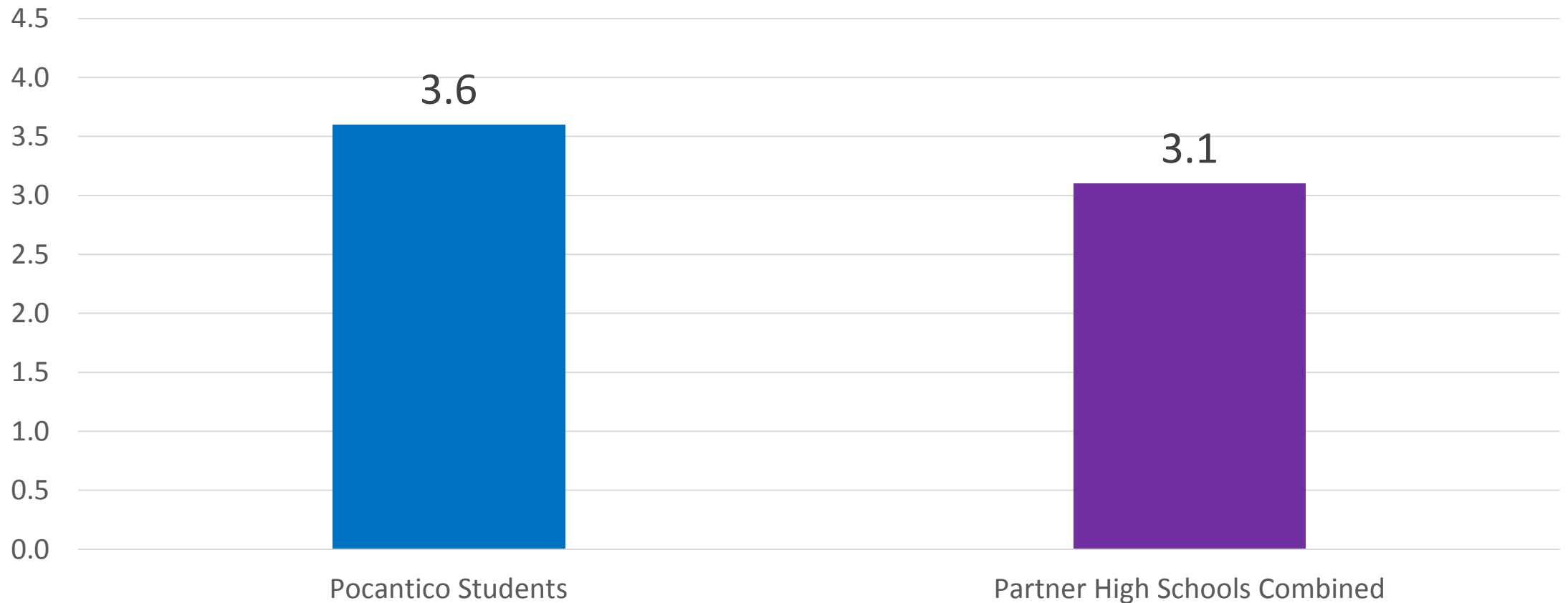


2-Year Aggregate



Pocantico Hills Graduating Class of 2018 Enrollment in College Accredited Courses

Average Number of College Accredited Courses Taken



Pocantico Hills Graduating Class of 2018

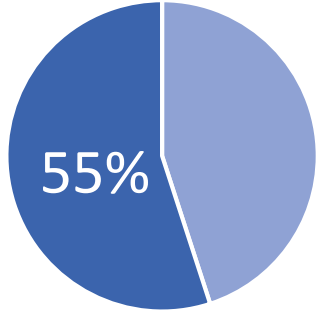
Percentage of Students Inducted into Honor Societies

Honor Society	Pocantico Students	Partner High Schools Combined	Offered At
NHS	28%	40%	BHS - PHS - SHHS
English	13%	26%	PHS - SHHS
Math	33%	37%	BHS - PHS - SHHS
Science	25%	42%	PHS - SHHS
Social Studies	4%	20%	PHS - SHHS
Music	0%	12%	BHS - PHS - SHHS
Thespian	0%	5%	PHS
Dance	8%	1%	BHS
Art	24%	23%	BHS - PHS - SHHS
Languages	25%	40%	PHS - SHHS
Forensics	0%	2%	PHS

Poco Students in <u>1 or More</u> Honor Societies	45%	Poco Students in <u>3 or More</u> Honor Societies	17%
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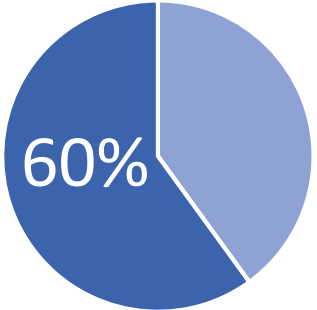
Pocantico Hills Graduating Class of 2018 Participation in Section 1 Athletics

2018 Pocantico Students



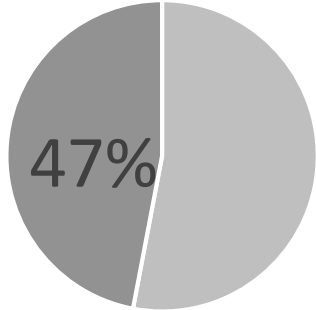
■ Participation in Athletics

Pocantico - 2-Year Aggregate



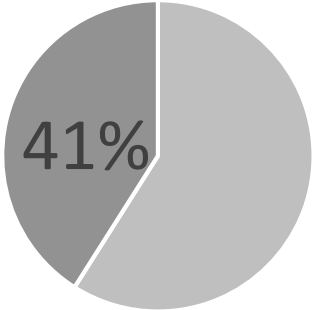
■ Participation in Athletics

2018 Partner High Schools Combined



■ Participation in Athletics

High Schools Combined - 2-Year Aggregate

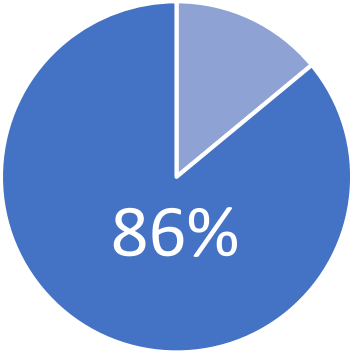


■ Participation in Athletics

Pocantico Hills Graduating Class of 2018

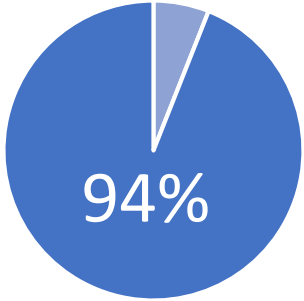
College Attendance

Pocantico Students



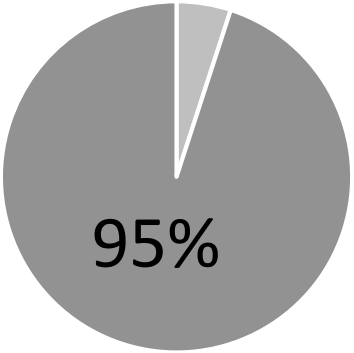
■ Attending College

Pocantico 2-Year Aggregate



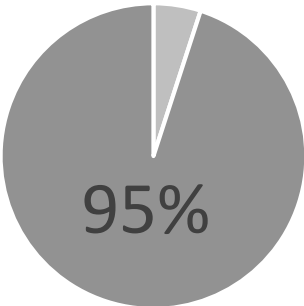
■ Attending College

High School Students Combined



■ Attending College

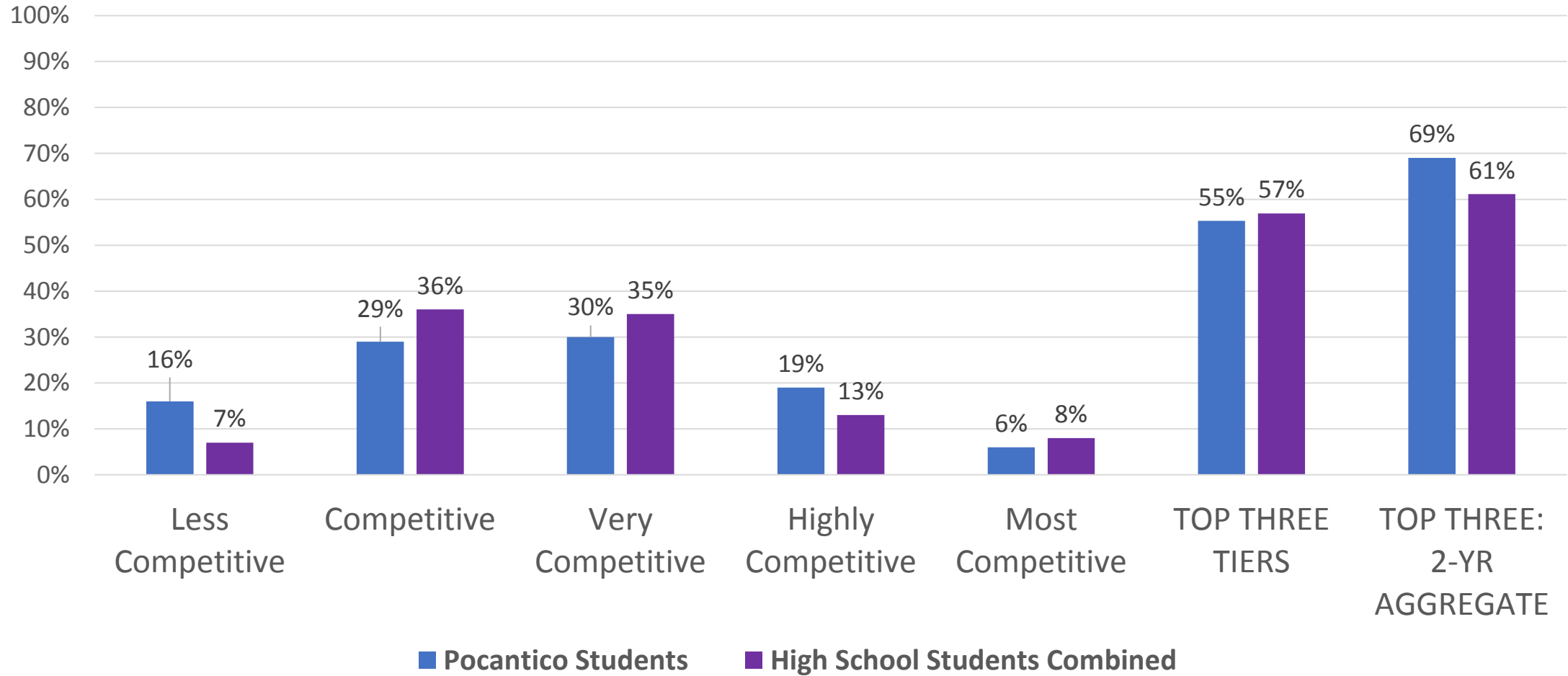
High Schools Combined 2-Year Aggregate



■ Attending College

Pocantico Hills Graduating Class of 2018

Distribution of College Acceptances by Tier



Adelphi University
Boston University
CUNY Manhattan Community College
Dean College
Dickinson College
Drexel University
Florida Institute of Technology
Florida State University
Fordham University
Hobart and William Smith Colleges
Hudson Valley Community College
Iona College
Ithaca College
James Madison University
Johnson & Wales University
King's College
Loyola University - Chicago
Manhattan College
Manhattanville College
Mercy College
Northeastern University
Pennsylvania State University
Purdue University

Reed College
Rensselaer Polytechnic Institute
Rhode Island College
Rochester Institute of Technology
Rutgers University
Sacred Heart University
Saint Louis University
Saint Thomas Aquinas
Siena College
SUNY Albany
SUNY Binghamton
SUNY Buffalo State
SUNY Cobleskill
SUNY Cortland
SUNY Delhi
SUNY Geneseo
SUNY Morrisville
SUNY New Paltz
SUNY Old Westbury
SUNY Oneonta
SUNY Oswego
SUNY Polytechnic Institute

SUNY Potsdam
SUNY Purchase
SUNY Stonybrook
Syracuse University
Temple University
Tulane University
University at Buffalo
University of Connecticut
University of Hartford
University of Maryland
University of Maryland College of Journalism
University of Massachusetts - Amherst
University of Miami
University of Pittsburgh
University of Rhode Island
University of South Carolina
University of Vermont
University of Wisconsin - Madison
Wesleyan University
Westchester Community College
Western New England University
Worcester Polytechnic Institute



Pocantico Hills School District



Learning

Achievement

Growth

Direction

