



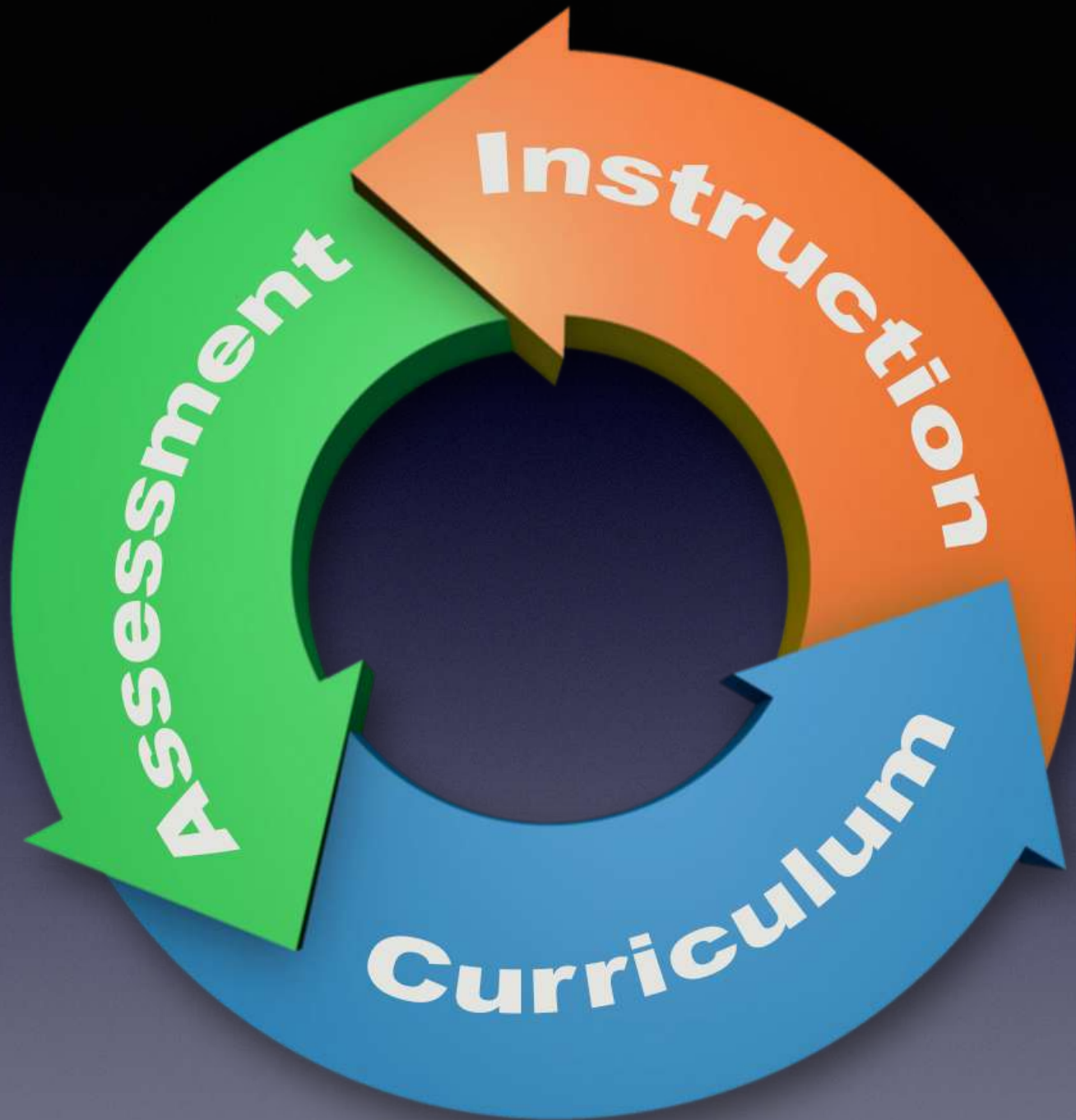




# Student Assessment in Scarsdale

Education Report  
November, 2017





# Assessment Defined

# Purposes of Assessment

- Assessment **OF** Learning
- Assessment **FOR** Learning
- Assessment **AS** Learning

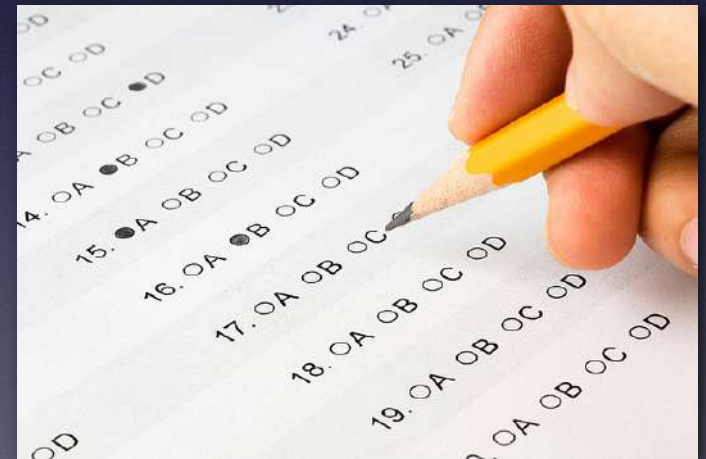
# Types of Assessment

- Informal Assessment
- Formal Assessment

# Standardized Tests

# Two Types of Standardized Tests

- Norm Referenced
- Criterion Referenced





# Standardized Tests

- Inform teachers, parents, and students about students' progress with basic skills.
- Provide data to identify students who need additional support.
- Inform our community about the performance of Scarsdale students relative to students in the region, state, and nation.

# Limitations of Standardized Tests



# Statement by the Scarsdale Board of Education

“The overemphasis on standardized testing has caused considerable collateral damage in too many schools, including narrowing the curriculum, teaching to the test, reducing love of learning, pushing students out of school, driving excellent teachers out of the profession, and undermining school climate.”

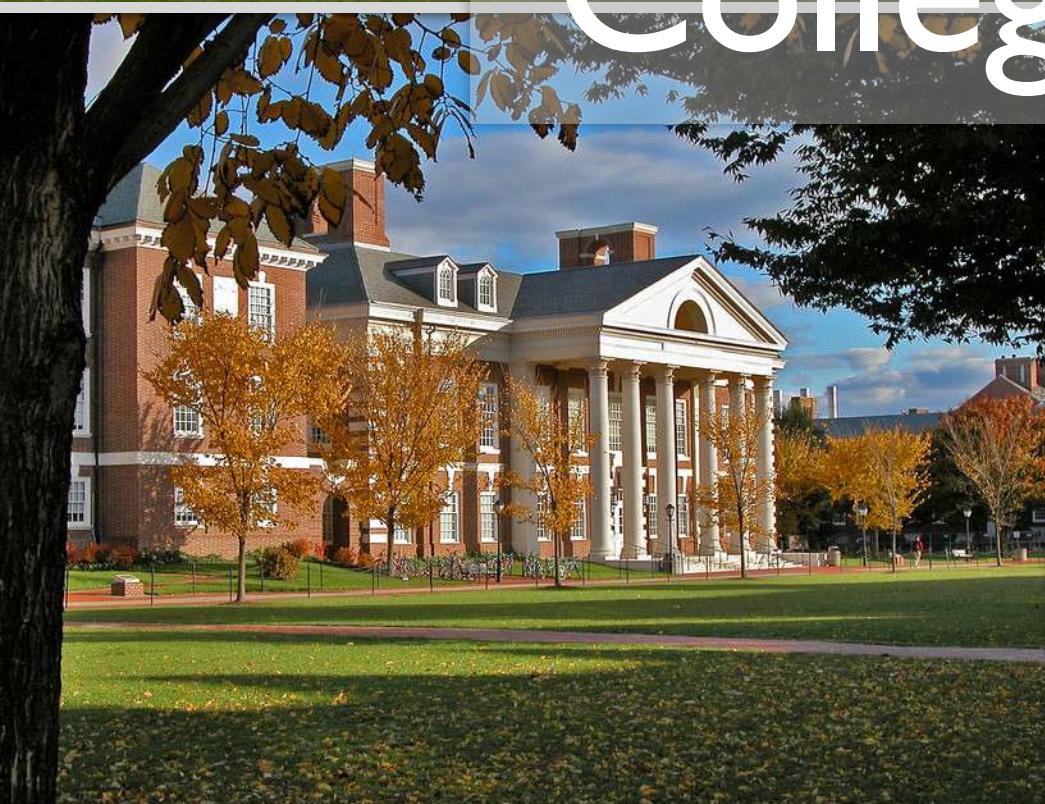
(Scarsdale Board of Education, 2013)

# Scarsdale's Approach to Student Assessment





# College Data





## Scarsdale Graduates to College

Year	Percent to college	Percent to 4-year college
2017	98%	97%
2016	98%	97%
2015	99%	97%
2014	99%	97%
2013	99%	98%
2012	97%	95%
2011	99%	98%
2010	98%	96%
2009	98%	96%
2008	99%	97%
2007	99%	97%
2006	99%	96%
2005	97%	94%



# Percent of Scarsdale graduates accepted to colleges and universities ranked “most selective” in the U.S.

Year	Percentage
2017	59%
2016	63%
2015	64%
2014	68%
2013	64%
2012	59%
2011	62%
2010	61%
2009	58%
2008	58%
2007	58%
2006	55%
2005	57%
2004	55%

# SAT Scores



# SAT Scores

- Scarsdale's Mean Combined SAT Score  
Results continue to be the highest among  
comparable districts in our region.

# Old SAT vs New SAT

	Old SAT	New SAT
Scoring	600 - 2400	400 - 1600 Subscore and Cross-test scores available
Sections	<ul style="list-style-type: none"><li>• Critical Reading: 200-800</li><li>• Writing: 200-800</li><li>• Math: 200-800</li><li>• Essay (included in Writing Score)</li></ul>	<ul style="list-style-type: none"><li>• Evidence-Based Reading and Writing</li><li>• Math: 200-800</li><li>• Optional Essay (separately scored)</li></ul>

## Scarsdale High School SAT Score Results

	Scarsdale High School					National			
	ERW (mean)	Math (mean)		Total (mean)		ERW (mean)	Math (mean)		Total (mean)
2017*	663	674		1337		533	527		1060
	Crit. Reading (mean)	Math (mean)	Writing (mean)	Total (mean)		Crit. Reading (mean)	Math (mean)	Writing (mean)	Total (mean)
2016	634	658	649	1941		494	508	482	1484
2015	637	657	652	1946		495	511	484	1490
2014	636	663	659	1958		497	513	487	1497
2013	633	656	648	1937		496	514	488	1498
2012	632	651	643	1926		497	514	498	1509
2011	634	651	650	1935		497	514	489	1500
2010	611	650	643	1904		501	516	492	1509
2009	628	656	641	1925		501	515	493	1509
2008	617	655	644	1916		502	515	494	1511
2007	617	639	636	1892		502	515	494	1511
2006	613	643	634	1890		503	518	497	1518
	Verbal	Math		Total		Verbal	Math		Total
2005	623	652		1275		508	520		1028
2004	611	640		1251		508	518		1026
2003	614	648		1262		507	519		1026
2002	600	630		1230		504	506		1010



### 2017 Mean Combined SAT Scores of Comparable Districts

District	Scarsdale	Chappaqua	Edgemont	Bronxville	Blind Brook (Rye Brook)	Byram Hills	Rye	Great Neck North
<b>ERW</b>	<b>663</b>	659	658	654	623	632	627	607
<b>Math</b>	<b>674</b>	674	672	655	653	630	618	629
<b>Total</b>	<b>1337</b>	1333	1330	1309	1276	1262	1245	1236

### 2016 Mean Combined SAT Scores of Comparable Districts

District	Scarsdale	Chappaqua	Blind Brook (Rye Brook)	Bronxville	Byram Hills	Rye	Great Neck North	Edgemont
<b>Crit Reading</b>	<b>634</b>	627	623	607	599	592	583	494
<b>Math</b>	<b>658</b>	637	638	635	638	614	630	508
<b>Writing</b>	<b>649</b>	649	634	613	601	618	590	482
<b>Total</b>	<b>1941</b>	1913	1895	1855	1838	1824	1803	1484

### 2015 Mean Combined SAT Scores of Comparable Districts

District	Scarsdale	Chappaqua	Bronxville	Blind Brook (Rye Brook)	Byram Hills	Edgemont	Rye	Great Neck North
<b>Crit Reading</b>	<b>637</b>	618	612	624	602	595	603	566
<b>Math</b>	<b>657</b>	633	630	612	623	623	602	596
<b>Writing</b>	<b>652</b>	636	623	617	608	606	613	583
<b>Total</b>	<b>1946</b>	1887	1865	1853	1833	1824	1818	1745

### 2014 Mean Combined SAT Scores of Comparable Districts

District	Scarsdale	Chappaqua	Bronxville	Edgemont	Byram Hills	Great Neck South	Blind Brook (Rye Brook)	Great Neck North
<b>Crit Reading</b>	<b>636</b>	618	618	608	600	593	595	557
<b>Math</b>	<b>663</b>	641	626	631	625	635	594	599
<b>Writing</b>	<b>659</b>	634	633	626	624	620	604	588
<b>Total</b>	<b>1958</b>	1893	1877	1865	1849	1848	1793	1744

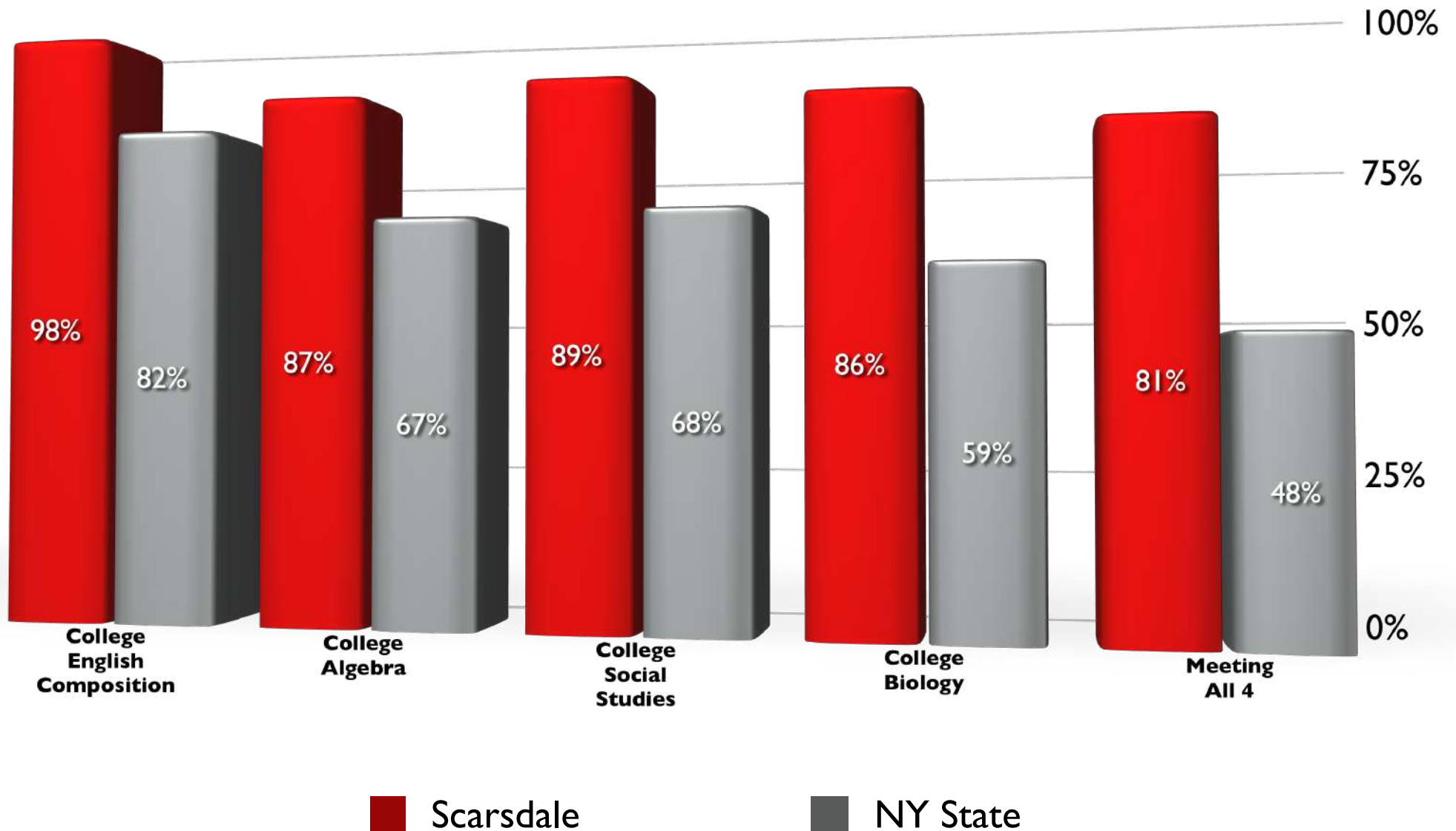
### 2013 Mean Combined SAT Scores of Comparable Districts

District	Scarsdale	Blind Brook (Rye Brook)	Chappaqua	Byram Hills	Edgemont	Bronxville	Ardsey	Hastings	Rye
<b>Crit Reading</b>	<b>633</b>	627	618	598	591	605	593	610	587
<b>Math</b>	<b>656</b>	645	641	634	633	601	607	587	600
<b>Writing</b>	<b>646</b>	639	634	620	615	615	612	611	608
<b>Total</b>	<b>1935</b>	1911	1893	1852	1839	1821	1812	1808	1795

## SAT Subject Test Mean Scores

<b>Test</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>
Math Level 1	680	684	669	686	671	688	670	675	682
Math Level 2	757	748	728	748	744	732	737	735	726
U.S History	690	694	703	689	702	725	692	684	703
French	707	699	692	723	748	730	713	732	758
Spanish	715	711	684	716	671	698	684		620
Chemistry	728	725	720	728	722	731	718	723	696
Biology-E	699	714	703	673	697	682	712	659	657
Biology-M	715	713	718	709	704	683	711	674	673
Physics	709	714	704	711	728	710	719	739	721
Literature	664	687	688	663	708	679	685	676	678
World History		608	684	643	665	646	706	700	749
Japanese				702		708		765	

## Percent of ACT-Tested Students Ready for College-Level Coursework





# Advanced Placement Exams

# AP Exams

- The percent of students receiving scores of 3, 4, or 5 on AP Exams is 97%, continuing the trend from 2002.

## Scarsdale High School Advanced Placement Exam Score Results

<b>Year</b>	<b>Total Exams</b>	<b>Mean Test Score</b>	<b>% Exam Scores 4, 5</b>	<b>% Exam Scores 3, 4, 5</b>
2017	419	4.31	85%	97%
2016	392	4.41	85%	98%
2015	356	4.31	81%	97%
2014	428	4.35	83%	97%
2013	375	4.36	82%	94%
2012	428	4.42	86%	98%
2011	509	4.28	81%	97%
2010	515	4.23	81%	94%
2009	566	4.17	78%	94%
2008	650	4.12	76%	94%
2007	856	3.98	71%	90%
2006	841	4.06	72%	93%
2005	731	3.8	63%	89%
2004	756	3.89	67%	89%
2003	733	3.8	61%	86%
2002	694	3.77	62%	89%



# Alumni Surveys

# Alumni Surveys

- Graduates are overwhelmingly positive about the quality of the academic preparation they received in Scarsdale.

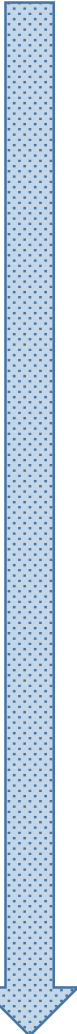
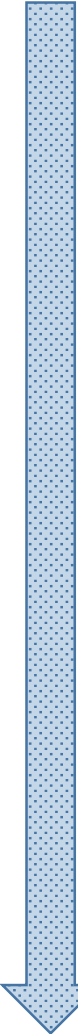
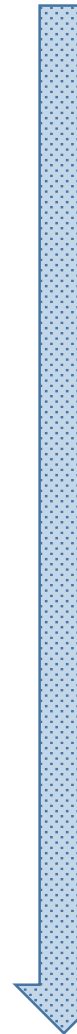

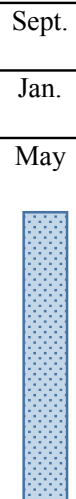


# Alumni Surveys

- Graduates also provided positive feedback about their readiness in non-academic areas.



# Common Assessments

# Overview of K-5 Assessments

	ELA					MATH					SCIENCE		SOCIAL STUDIES				
	F&P Benchmark Assessment	Narrative Assessments*	Informational On Demand Assessment*	STAR Reading	NYS ELA	STAR Math	NYS Math	1st Trimester	2nd Trimester	3rd Trimester							
K				Sept.		Sept.					One rubric can be applied to all units to measure growth		<b>Fall</b> Assessment to be completed by end of second marking period. <b>Spring</b> Assessment - June				
				Jan.		Jan.		Nov.	March	June							
				May		May		Nov.	March	June							
1											Nov.	March	June	Plants unit rubric-fall Chicks unit rubric-April/May		<b>Fall</b> Assessment to be completed by end of second marking period. <b>Spring</b> Assessment - June	
2										"Open Style" Tasks Nov. - Numeration Dec. - Measurement Feb. - Multiplication May - Fractions			Adaptations Unit- (Embedded in Animal units throughout the year) October - May		<b>Fall</b> Assessment to be completed by end of second marking period. <b>Spring</b> Assessment - June		
3								April		May	Nov.	Feb. - Multiplication Jan. - Fractions	June	Plants Unit May/June		<b>Fall</b> Assessment to be completed by end of first marking period. <b>Spring</b> Assessment - June	
4					April		May	Nov.	Jan - Fractions March - Area & Perimeter	June	Ecosystems - (Embedded assessments throughout year)	NYS Science <b>Performance</b> May - June <b>Written</b> - June	<b>Fall</b> Explorers Assessment to be completed by the end of second marking period. <b>Spring</b> Assessment - June				
5					April		May	"Open Style" Tasks Jan - Fraction March - Volume			Effervescent Launchers Unit and Mixtures and Solutions Unit (use Process Skills rubric)		<b>Fall</b> Assessment to be completed by the end of the first marking period	<b>Spring</b> Capstone Project April - June			

\* Genre assessment determined by school curriculum calendar

SMS Overview of Grades 6 – 8 Assessments (Common/N.Y.S.)

	English			Math			Science		
	Grade 6	Grade 7	Grade 8	Grade 6	Grade 7	Grade 8	Grade 6	Grade 7	Grade 8
September	pre-assessment benchmark		grammar pre-test	Inventory				Scientific Method Lab	Density Cube Lab
October	Character trait paragraph	Poetry (ongoing throughout the school year)	Literary essay (ongoing throughout the year)						Periodic Table Lab
November		Literary essay (ongoing throughout the year)					Scientific Method/Measurement Assessment		Demo Days
December									Moon Phases
January	Writing about conflict (time of year varies by house)								Angle of Insolation lab
February								Mid-year assessment Flower Forensics Lab	
March		Speech Unit	Speech Unit; Romeo & Juliet/benchmark essay					Natural Selection Simulation	Sling Psychrometer
April	theme essay NYS ELA	NYS ELA	NYS ELA						Solar Home Stem Project
May				Cumulative Assessment NYS Math	NYS Math Final Exam	NYS Math Gr. 8 Final Exam Algebra Regents			NYS Performance
June	Writing Benchmark Speeches	Julius Caesar benchmark essay	8th grade end of the year project grammar post-test				Biosphere in a bottle extended lab	Final Exam	NYS Written 8th grade end of the year project



SMS Overview of Grades 6 – 8 Assessments (Common/N.Y.S.)

		Social Studies		World Language		
		Grade 6	Grade 7	Grade 8	Grade 6	Grade 7
September				Spanish 6 common diagnostic	Common Diagnostic	Common Diagnostic
October	Country Project	7th grade social studies e-portfolio (throughout the school year)	Thematic DBQ (throughout the school year)	Sp 6 aural/oral  Fr 6 introductory topics	Sp 7 Chapter 3  Fr 7 Chapter 1, 2	Sp 8 Chapter 9  Fr 8 Chapters 9, 10
November				Sp 6 Mini Unit 1  Fr 6 Classroom and Useful expressions	Sp 7 Chapter 4  Fr 7 Chapter 3	Fr 8 Chapter 11
December				Sp 6 Mini Unit 2 Fr 6 Residence, Numbers, weather	Sp 7 Chapter 5 Fr 7 Chapter 4	Sp 8 Chapter 10 Fr 8 Chapter 13
January		Human Rights e-portfolio and PSA		Sp 6 Mini Unit 4  Fr 6 Classroom, time, colors	Sp 7 Chapter 6  Fr 7 Human Rights Project	Sp 8 Chapter 11  Fr 8 Chapter 12, Human Rights project
February		Revolutionary Rally iMovie		Sp 6 Mini Unit 4  Fr 6 Café and Jardin	Sp 7 Capítulo Puente French 7, Chapter 5, Country Project	Sp 8 Chapter 12, Madrid Project Fr 8 Chapter 17
March				Sp 6 Mini Units 5,6  Fr 6 Shopping and the market	Sp 7 Chapter 7, Country Project  Fr 7 Chapter 6	Sp 8 Unidad 1 Etapa 2  Fr 8 Chapter 14, Paris Project
April				Sp 6 Mini Unit 7 Fr 6 Sports		Sp 8 unidad 1 Etapa 3 Fr 8 Chapter 15
May			Thematic DBQ	Sp 6 Mini Unit 8 Fr 6 Likes and Dislikes	Sp 7 Chapter 8 Fr 7 Chapter 8	Sp 8 Intro to Imperfect. Fr 8 Chapter 16, 17
June	Ideal Civilization Project	Civil War Museum	8th grade end of the year project	Aural/Oral Assessment	Final Exam	Final Exam

## **Scarsdale High School Common Assessments, 2017-18**

Members of each department at Scarsdale High School work together to establish common course goals, devise approaches to teaching material, and create final assessments. The following table identifies each department's common assessments.

### **Arts**

Ninth grade art classes participate in a Cooper Hewitt Museum project and a required final art project, which is posted on Schoolwires.

### **English**

Ninth grade: Shakespeare Festival; essays of literary analysis

Tenth grade: essays of literary analysis; digital argumentation

Eleventh grade: literary research paper; essays of literary analysis; New York State Regents Exam

Twelfth grade: research paper; essays of literary analysis

## **Mathematics**

Grades 9-12: At monthly course meetings, teachers share lessons, unit tests and quarterly tests with each other, so the assessments are not *exactly* the same, but the formats and questions are similar. Each course culminates in a common final exam.

AT Statistics: Juniors in AT Statistics do a year-end project for which the requirements and grading rubric are common to all sections of the course. The students formulate and analyze a research question using the Adolescent Health Database from the University of North Carolina Population Center. This project is funded by the National Science Foundation, and students use Google Hangouts to communicate with Wesleyan University students who help students to learn the software program “R” and develop techniques for analyzing their data. This project is in addition to a common final exam.

## **Performing Arts**

Assessments for performing ensembles include individual evaluations of prepared selections, live or recorded performances, and winter and spring concerts or performances. In academic music classes, such as AT Music Theory, Digital Music, and Music Appreciation, students may compose a piece or write music for a film clip or make presentations in which they connect aural and multi-media materials to an issue, style, or concept.



## **Physical Education**

During each quarter students participate in skills performance assessments, often in both of the two units that are covered. Assessments can be live action viewing, video playback self-assessment, peer-assessment, or teacher-assessment. Each has its own rubric. A quarterly cognitive assessment piece takes the form of either a formal written test or a variety of writing assignments developed by the department (i.e., a review of a fitness-based app, a self-designed workout plan for a specific fitness goal, etc.).

## **Science**

All ninth-graders take the New York State Living Environment Regents exam. Chemistry 513 students take the New York State Chemistry Regents exam. All other students take a local final exam that grows out of collaborations among teachers of each course. For the last two or three years, Environmental Science has concluded with presentations of research or culminating projects.

## **Social Studies**

Ninth Grade World History: World Cities/Global Trade Project

Tenth Grade World History

- multi-step, process-oriented research paper project
- New York State Regents Exam in Global History

Eleventh Grade

- multi-step, process-oriented research paper project
- New York State Regents Exam in United States History

Twelfth Grade

- multi-step, process-oriented research paper project

Advanced Topics courses

- Advanced Topics U.S. History, Advanced Topics U.S. Constitutional Law, Advanced Topics American Government, Advanced Topics International Politics, Advanced Topics Macroeconomics: common final exam in each course
- Advanced Topics Psychology: multi-step, process-oriented research project/study

## **World Languages**

Common assessments in World Languages are designed by the teachers within each course team (e.g., Spanish 323, French 344, etc.). All common assessments evaluate the four skills of language. In Spanish AT Language & Culture, a portfolio of student work serves as the final assessment.

# Third Party Assessments to Provide Additional Information

- STAR
- LEXIA
- FOUNTAS & PINNELL
- FOUNDATIONS



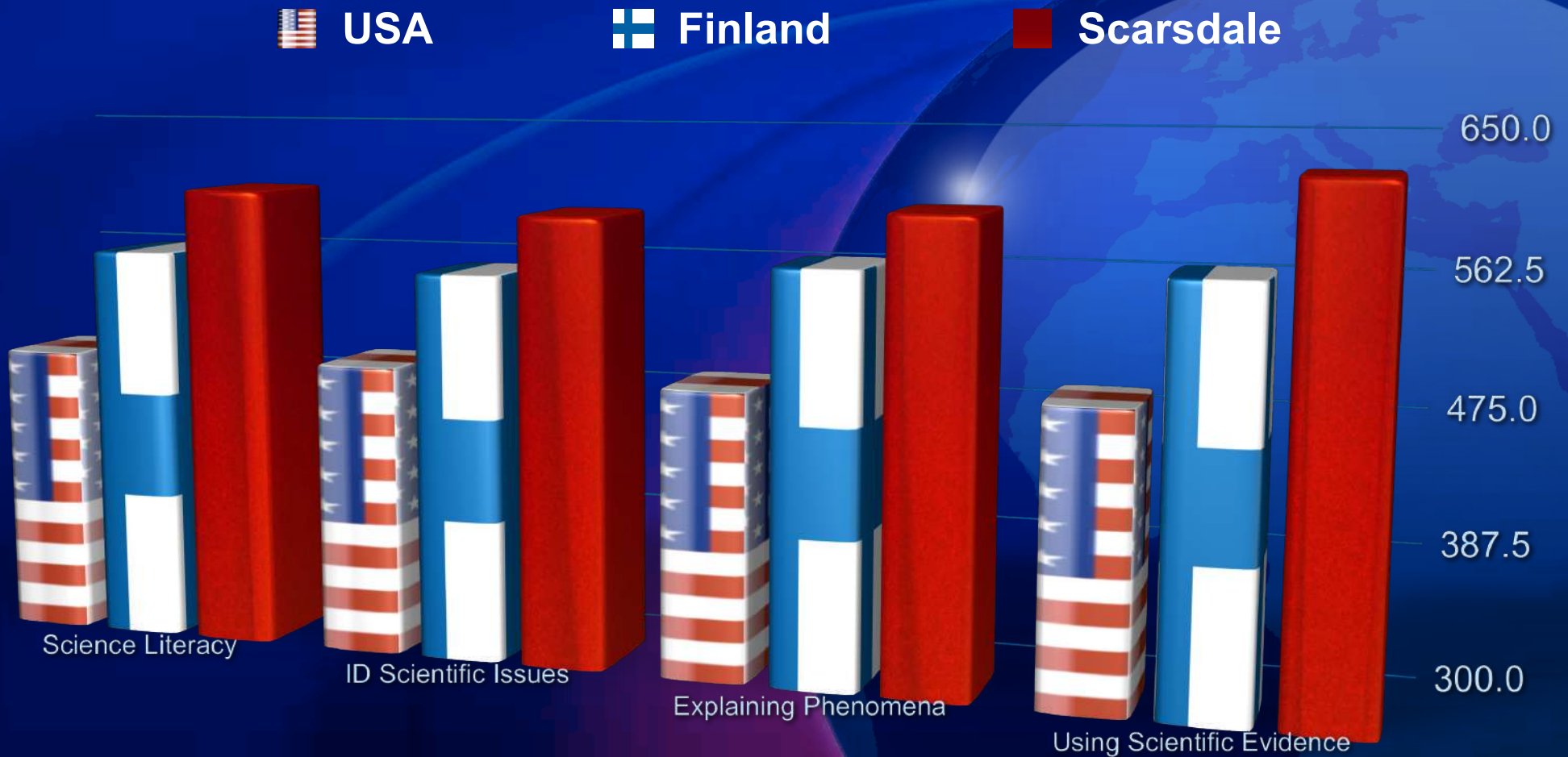



# **The PISA Test**

(The Programme for International Student Assessment)



# PISA Test Results





*“When American suburbs are compared with two of the top school systems in world – in Finland and Singapore – very few, such as Evanston, Ill. and Scarsdale, N.Y. outperform the international competition.”*

Dr. Arthur Levine  
The Wall Street Journal  
November 15, 2012

# New York State Standardized Tests

## Standardized Testing in Scarsdale

Test	TO EVALUATE	GRADE	TEST GIVEN	RESULTS AVAILABLE
NYS Tests	ELA, Math Science	Grades 3-8 Grades 4 & 8	April, May & June	August
NYS Regents	Algebra, English, U.S. History & Gov't., Global History, Living Environment	Grades 8-11	August, January & June	August, January & June
*PSAT	Critical Reading & Math	Primarily Grade 11 (with a few 10s)	October	December
*ACT or SAT	Critical Reading, Math & Writing	Grades 11-12	Throughout the year	Two to four weeks after the student takes the test
*SAT Subject Tests	Academic Subjects	Grades 9-12	Throughout the year	Two to four weeks after the student takes the test
*Advanced Placement Test (AP)	Academic Subjects	Grades 9-12	Throughout the year	Two to four weeks after the student takes the test
**NYSESLAT	English Proficiency	K-12	April-May	Late summer
**NYSITELL	English Proficiency Diagnostic for Course Placement	K-12	Upon the ELL student's entry into the district	Shortly after completion of the exam

**\* Students have the opportunity to take these standardized tests depending on their particular experiences and educational plans**

**\*\* Limited English Proficiency (LEP) only.**

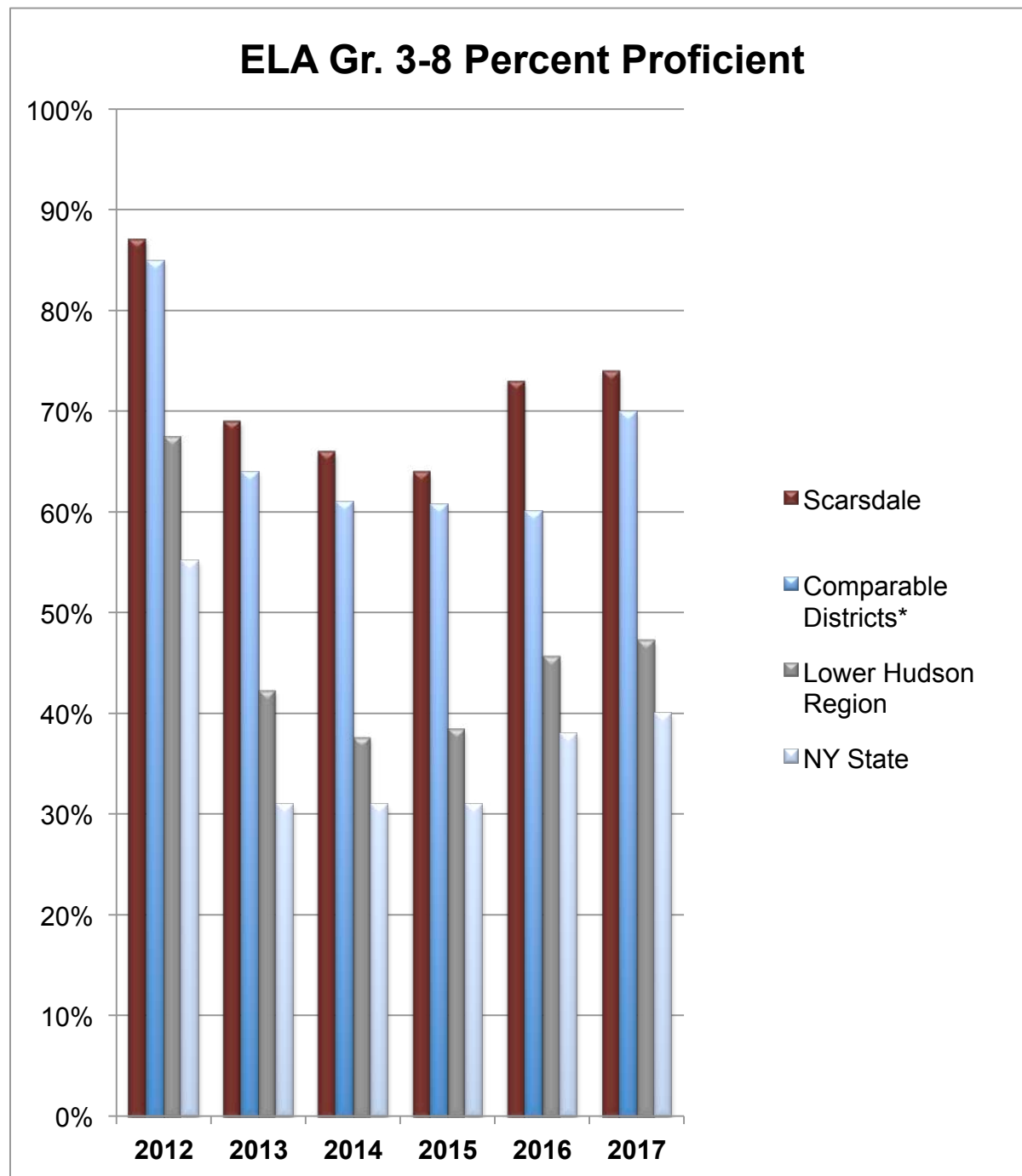
# ELA

## NYS ELA Proficiency Rate (Level 3 and 4) 2006-2017

### Historical Comparison of Scarsdale's Proficiency Rate

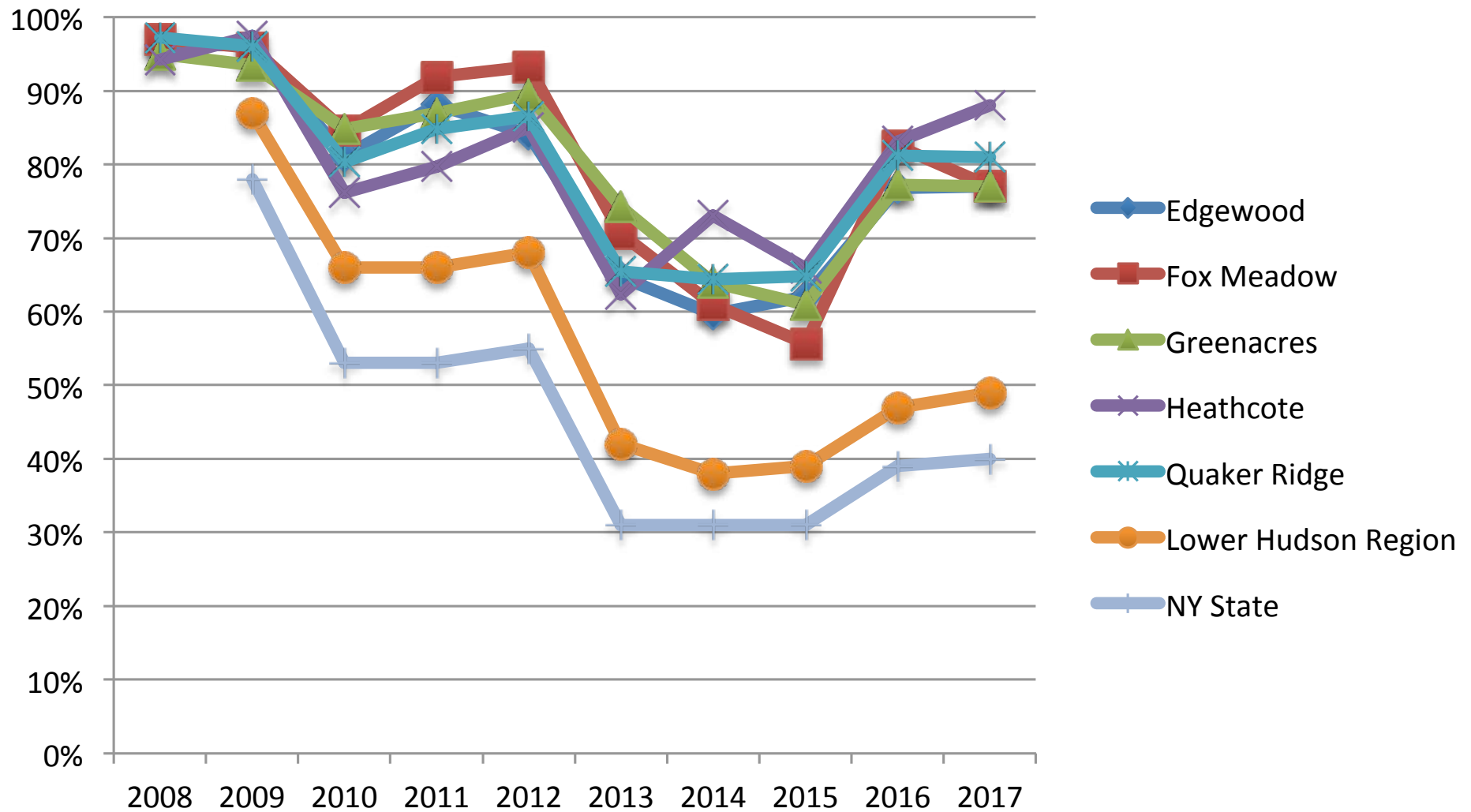
Grade Level	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
3	92%	91%	96%	95%	78%	88%	87%	64%	70%	58%	87%	87%
4	96%	93%	93%	97%	85%	89%	87%	66%	55%	70%	83%	78%
5	97%	94%	99%	95%	81%	82%	90%	73%	69%	55%	71%	74%
6	91%	94%	95%	97%	86%	87%	88%	74%	60%	63%	56%	65%
7	94%	90%	93%	98%	87%	88%	85%	67%	64%	65%	66%	67%
8	86%	95%	92%	93%	88%	87%	88%	70%	75%	72%	80%	74%
Avg 3-8	93%	93%	95%	96%	84%	87%	87%	69%	66%	64%	74%	74%





\* Ardsley, Blind Brook-Rye, Bronxville, Byram Hills, Chappaqua, Edgemont, Great Neck, Mamaroneck, and Rye City

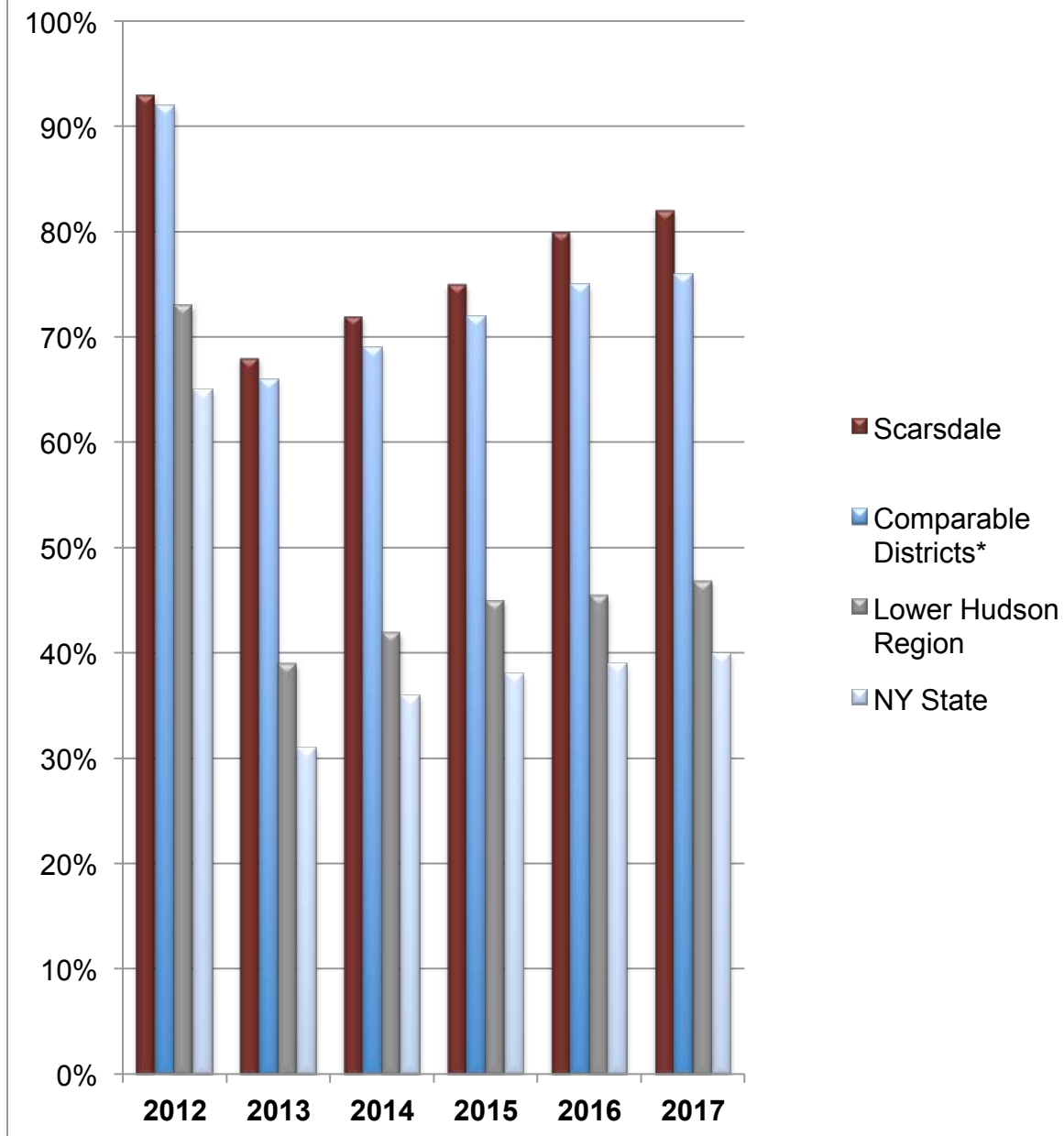
# Grades 3-5 ELA Percent Proficient (level 3 & 4)



**Math****NYS MATH Proficiency Rate (Level 3 and 4) 2006-2017****Historical Comparison of Scarsdale's Proficiency Rate**

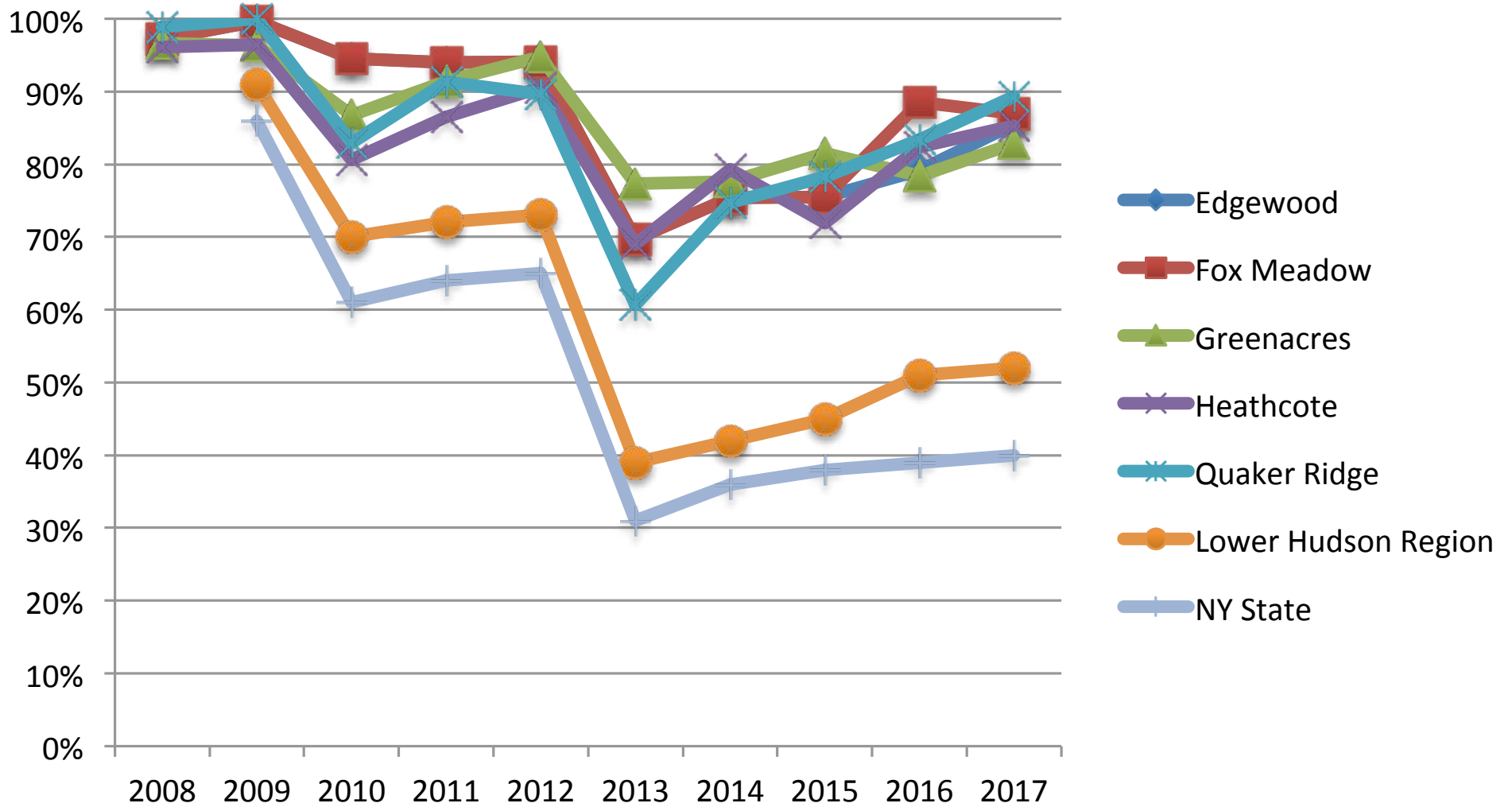
Grade Level	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
3	96%	96%	98%	99%	83%	91%	89%	65%	78%	72%	83%	89%
4	98%	96%	97%	98%	93%	92%	95%	75%	73%	80%	84%	86%
5	93%	97%	97%	97%	87%	93%	95%	69%	79%	73%	80%	83%
6	89%	88%	96%	94%	83%	89%	92%	75%	73%	80%	76%	83%
7	87%	87%	93%	97%	78%	90%	94%	63%	68%	73%	78%	78%
8	93%	90%	91%	96%	80%	92%	95%	61%	59%	71%	81%	74%
Avg 3-8	93%	93%	95%	97%	84%	91%	93%	68%	72%	75%	80%	82%

## MATH Gr. 3-8 Percent Proficient



\* Ardsley, Blind Brook-Rye, Bronxville, Byram Hills, Chappaqua, Edgemont, Great Neck, Mamaroneck, and Rye City

## Grades 3-5 MATH Percent Proficient (level 3 & 4)





## Scarsdale High School Regents Report

Annual Percentage of Students Scoring 65-100% <sup>1</sup>							
Regents Exam	2011	2012	2013	2014	2015	2016	2017
<b>Integrated Algebra I</b>	99% <sup>2</sup>	99% <sup>2</sup>	99% <sup>2</sup>	99% <sup>2</sup>	88% <sup>3</sup>	84% <sup>3</sup>	not offered
<b>Common Core Algebra</b>	not offered	not offered	not offered	97% <sup>2</sup>	95% <sup>2</sup>	100% <sup>2</sup>	99% <sup>2</sup>
<b>Common Core ELA</b>	not offered	not offered	not offered	not offered	not offered	100%	99%
<b>Comprehensive English</b>	99%	97%	98%	100%	99%	82% <sup>4</sup>	not offered
<b>Living Environment (Biology)</b>	99%	100%	99%	99%	99%	98%	99%
<b>Global History</b>	97%	99%	99%	99%	98%	98%	99%
<b>U.S. History and Government</b>	99%	99%	99%	100%	99%	100%	99%

In 2017, an analysis of state test results led to the following conclusions:

- Overall, school-to-school differences in elementary students' scores were not significant.
- Overall, test scores were among the strongest in New York State and in the same range as those in a selected group of comparable districts.

# Non-Academic Data: Extracurricular Activities

- Percentage of total student enrollment involved in extracurricular activities other than athletics: approximately 75%

# Percent Participation in Athletics

- Fall 523/1545 **(34%)**
- Winter 377/1545 **(24%)**
- Spring 440/1545 **(28%)**
- Totals 869/1545 **(56%)**

# Special Education



# Concluding Thoughts...

## on Measuring our Students



The most important information is gathered by teachers, each day, in the classroom. This information is used to inform instruction.



Best practices show that multiple measures of student progress provide the clearest assessment of student learning.





We value assessment and continue to explore ways to use data to inform instruction.



Decades-worth of assessments illustrate that our educational program produces strong results.





You cannot have strong graduate outcomes without a strong K-12 system.



Despite our strong performance, we are committed to continuous improvement.



What ultimately matters are the deep, rich learning experiences that are the hallmark of a Scarsdale education.





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