

Urban Assembly School for Applied Math and Science, The			
PRINCIPAL:	David Krulwich		
DBN:	09X241		
ENROLLMENT:	339		
SCHOOL TYPE:	High School		
PERCENTILES AND GRADES FOR PREVIOUS YEARS			
	2010	2011	2012
PERCENTILE:	94	79	
GRADE:	A	A	
KEY DEMOGRAPHIC INDICATORS			
%BLACK OR HISPANIC	%ELL	%IEP	% OVERAGE
95.3%	6.5%	21.8%	3.5%

PROGRESS REPORT			
A	OVERALL SCORE	out of 100	OVERALL PERCENTILE RANK
	71.4		72
This school's overall score is greater than or equal to that of 72.4 percent of HS schools.			
For high schools, grades are based on cut scores determined prior to the release of the Progress Report. Further, schools with a four year graduation rate in the top third citywide cannot receive a grade lower than a C. Schools in their first year, without a graduating class or in phase out receive a report with no grade or score.			
Progress Report Grades - High School			
GRADE	SCORE RANGE	% OF SCHOOLS	
A	70.0 or higher	33% of schools	
B	58.0 - 69.9	36% of schools	
C	47.0 - 57.9	21% of schools	
D	40.0 - 46.9	6% of schools	
F	39.9 or lower	5% of schools	

QUALITY REVIEW
WD
Well Developed (2012-13)
The rating is based on three major categories of school performance: instruction that prepares students for college and careers, school organization and management, and quality of the learning environment.
A school that receives a Well Developed rating earned the highest grade for highly effective teaching and learning practice, strategic school management, and an excellent quality learning environment. For more information, see:
http://schools.nyc.gov/Accountability/tools/review

Overview Each school's Progress Report (1) measures the student year-to-year progress, (2) compares the school to peer schools, and (3) rewards success in moving all children forward, especially children with the greatest needs.

CATEGORY	SCORE		GRADE	DESCRIPTION
School Progress	30.0 out of 55		B	Student Progress measures the annual progress students make toward meeting the state's graduation requirements by earning course credits and passing state Regents exams.
School Performance	17.0 out of 20		A	Student Performance measures how many students graduated within 4 and 6 years of starting high school, and the types of diplomas they earned.
School Environment	10.2 out of 15		B	School Environment measures student attendance and a survey of the school community rating academic expectations, safety and respect, communication, and engagement.
College and Career Readiness	7.4 out of 10		A	College and Career Readiness measures how well students are prepared for life after high school on the basis of passing advanced courses, meeting English and math standards, and enrolling in a post-secondary institution.
Closing the Achievement Gap	6.8 out of 16			Schools receive additional credit for exceptional graduation and college/career readiness outcomes of students with disabilities, English Language Learners, and students who enter high school at a low performance level.
Overall Score	71.4 out of 100		A	The overall grade is based on the total of all scores above. Category scores may not add up to total score because of rounding.

*During the 2012-13 school year, New York City public schools were affected by Hurricane Sandy. Adjustments have been made to attendance rates for all schools.

SPECIAL RECOGNITION



Progress Report Implications

Strong Progress Report results are the basis for recognition and potential rewards for school leaders, and poor results are an important factor in determining whether schools require intensive support or intervention. For more information, see:

<http://schools.nyc.gov/community/planning/Support+and+Intervention.htm>

<http://schools.nyc.gov/ProgressReport>

State Accountability

The school's current status: **In Good Standing**

This designation is determined by the New York State Department of Education under the Elementary and Secondary Education Act (ESEA) Flexibility Waiver. More information on New York State accountability can be found here:

<http://schools.nyc.gov/Accountability/tools/accountability/default.htm>

GRADE **B**
SCORE **30.0**
(out of 55)

GRADE	SCORE RANGE
A	36.6 or higher
B	27.7 - 36.5
C	19.3 - 27.6
D	14.0 - 19.2
F	13.9 or lower

Student Progress represents 55% of the total score. The grade is based on the annual progress students make toward meeting the state's graduation requirements by earning course credits in core subjects and passing state Regents exams. Attention is given to all students in the school and particular emphasis is given to the one-third of students who entered high school at the lowest performance level.

THIS SCHOOL'S RESULTS	COMPARISON TO PEER SCHOOLS (WEIGHTED 75%)	PERCENT OF PEER RANGE	COMPARISON TO CITY SCHOOLS (WEIGHTED 25%)	PERCENT OF CITY RANGE	POINTS POSSIBLE	POINTS EARNED
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Credit Accumulation

Pct. of Students Earning 10+ Credits in 1st Year (n=82)	84.1%		60.7%		64.9%	4.17	2.57
Pct. of Students in School's Lowest Third Earning 10+ Credits in 1st Year (n=27)	66.7%		55.8%		54.1%	4.17	2.31
Pct. of Students Earning 10+ Credits in 2nd Year (n=89)	78.7%		56.6%		59.0%	4.17	2.39
Pct. of Students in School's Lowest Third Earning 10+ Credits in 2nd Year (n=28)	50.0%		33.6%		36.5%	4.17	1.43
Pct. of Students Earning 10+ Credits in 3rd Year (n=90)	70.0%		39.2%		45.0%	4.17	1.70
Pct. of Students in School's Lowest Third Earning 10+ Credits in 3rd Year (n=29)	44.8%		29.0%		32.0%	4.17	1.24
Average Completion Rate for Remaining Regents (n=200)	59.3%		53.7%		56.8%	5.00	2.72

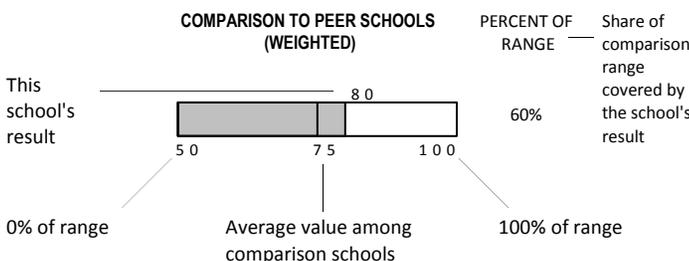
Weighted Regents Pass Rate

English (n=78)	1.05		61.1%		63.8%	5.00	3.09
Mathematics (n=101)	1.05		51.1%		54.3%	5.00	2.60
Science (n=161)	1.53		95.8%		70.7%	5.00	4.48
Global Studies (n=98)	0.91		55.3%		59.0%	5.00	2.81
United States History (n=78)	1.03		51.1%		61.0%	5.00	2.68

TOTAL POINTS 55.00 30.02

How To Interpret These Charts

To determine the number of points earned, this school's 2012-13 results on each metric are compared to the results of peer schools and all high schools citywide. The comparison to peer schools is worth 75% of the points for each metric and the comparison to all high schools citywide is worth 25% of the points. The bars represent the range of results for the peer and city comparison schools from historical results that are within two standard deviations of the average. The percent of the range that is shaded is the school's share of possible points. The share is multiplied by the weight (75% or 25%) and the possible points for the metric to determine the points earned.



Score Calculation Example

FORMULA (PERCENT OF PEER RANGE X 0.75 + PERCENT OF CITY RANGE X 0.25) X POINTS POSSIBLE = POINTS EARNED

EXAMPLE (60% X 0.75 + 80% X 0.25) X 3.75 = 2.44

GRADE	A	GRADE	SCORE RANGE
		A	14.9 or higher
		B	11.5 - 14.8
		C	7.4 - 11.4
		D	6.0 - 7.3
SCORE	17.0	F	5.9 or lower
	(out of 20)		

Student Performance represents 20% of the total score. The Student Performance grade is based on how many students graduated within 4 years and 6 years of starting high school, and the types of diplomas these students earned.

	THIS SCHOOL'S RESULTS	COMPARISON TO PEER SCHOOLS (WEIGHTED 75%)	PERCENT OF PEER RANGE	COMPARISON TO CITY SCHOOLS (WEIGHTED 25%)	PERCENT OF CITY RANGE	POINTS POSSIBLE	POINTS EARNED
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Graduation Rate

Four Year Graduation Rate (n=78)	88.5%		79.1%		79.6%	5.00	3.96
Six Year Graduation Rate (n=72)	97.2%		93.1%		94.0%	5.00	4.67

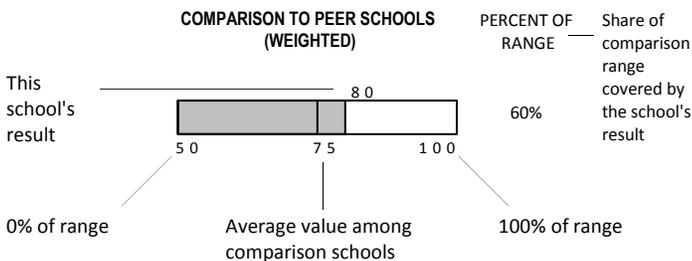
Weighted Diploma Rate

Four Year Weighted Diploma Rate (n=78)	220.5%		83.7%		75.6%	5.00	4.08
Six Year Weighted Diploma Rate (n=72)	218.1%		89.1%		76.9%	5.00	4.30

TOTAL POINTS	20.00	17.01
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How To Interpret These Charts

To determine the number of points earned, this school's 2012-13 results on each metric are compared to the results of peer schools and all high schools citywide. The comparison to peer schools is worth 75% of the points for each metric and the comparison to all high schools citywide is worth 25% of the points. The bars represent the range of results for the peer and city comparison schools from historical results that are within two standard deviations of the average. The percent of the range that is shaded is the school's share of possible points. The share is multiplied by the weight (75% or 25%) and the possible points for the metric to determine the points earned.



Score Calculation Example

FORMULA ($\frac{\text{PERCENT OF PEER RANGE}}{100} \times 0.75 + \frac{\text{PERCENT OF CITY RANGE}}{100} \times 0.25$) X POINTS POSSIBLE = POINTS EARNED

EXAMPLE ($60 \times 0.75 + 80 \times 0.25$) X 3.75 = 2.44

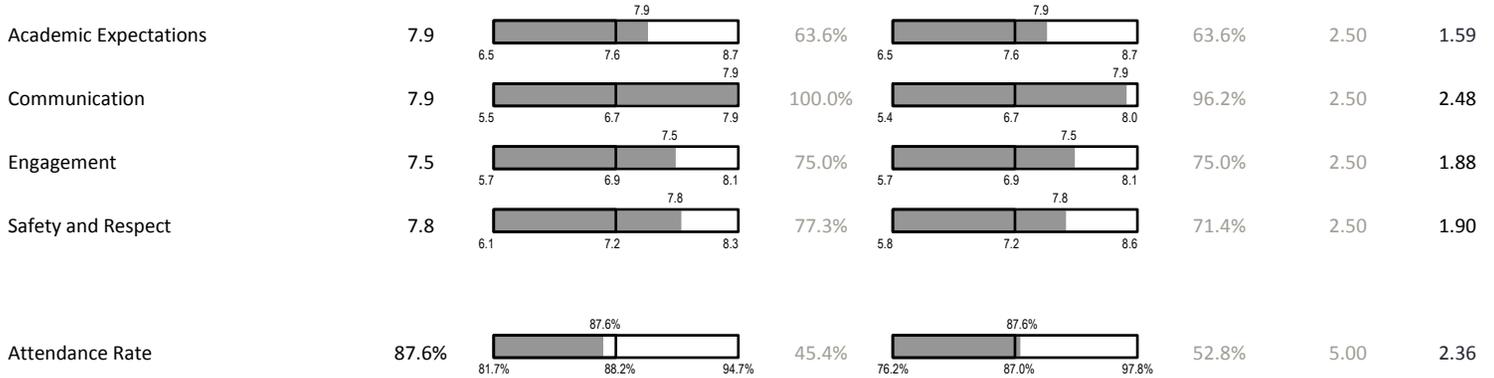
GRADE **B**
SCORE **10.2**
(out of 15)

GRADE	SCORE RANGE
A	11.7 or higher
B	9.9 - 11.6
C	7.1 - 9.8
D	4.5 - 7.0
F	4.4 or lower

School Environment represents 15% of the total score. The School Environment grade is based on student attendance and results of the NYC School Survey, on which parents, teachers, and students rate academic expectations, safety and respect, communication, and engagement.

THIS SCHOOL'S RESULTS	COMPARISON TO PEER SCHOOLS (WEIGHTED 75%)	PERCENT OF PEER RANGE	COMPARISON TO CITY SCHOOLS (WEIGHTED 25%)	PERCENT OF CITY RANGE	POINTS POSSIBLE	POINTS EARNED
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School Survey Results



TOTAL POINTS	15.00	10.21
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How To Interpret These Charts

To determine the number of points earned, this school's 2012-13 results on each metric are compared to the results of peer schools and all high schools citywide. The comparison to peer schools is worth 75% of the points for each metric and the comparison to all high schools citywide is worth 25% of the points. The bars represent the range of results for the peer and city comparison schools from historical results that are within two standard deviations of the average. The percent of the range that is shaded is the school's share of possible points. The share is multiplied by the weight (75% or 25%) and the possible points for the metric to determine the points earned.



Score Calculation Example

FORMULA ($\frac{\text{PERCENT OF PEER RANGE}}{100} \times 0.75 + \frac{\text{PERCENT OF CITY RANGE}}{100} \times 0.25$) X POINTS POSSIBLE = POINTS EARNED

EXAMPLE ($60\% \times 0.75 + 80\% \times 0.25$) X 3.75 = 2.44

GRADE	A	GRADE	SCORE RANGE
		A	6.9 or higher
SCORE	7.4	B	5.2 - 6.8
		C	3.3 - 5.1
		D	2.4 - 3.2
		F	2.3 or lower

(out of 10)

College and Career Readiness represents 10% of the total score. The College and Career Readiness section measures how well students are prepared for life after high school on the basis of passing advanced courses, meeting English and math standards, and enrolling in a post-secondary institution. Please see the Additional Information page for further details on these measures.

College Readiness

These metrics measure the percentage of students in the 2011 and 2013 cohorts (all students who entered high school four years earlier) who graduated and met the Regents exam, SAT, and/or course standards for passing out of remedial coursework at the City University of New York (CUNY), by August 2013. Students from the 2011 cohort also count positively if they enroll and persist in college through the beginning of their third semester.

	THIS SCHOOL'S RESULTS	COMPARISON TO PEER SCHOOLS (WEIGHTED 75%)	PERCENT OF PEER RANGE	COMPARISON TO CITY SCHOOLS (WEIGHTED 25%)	PERCENT OF CITY RANGE	POINTS POSSIBLE	POINTS EARNED
Four-Year Non-Remediation Index (n = 78)	33.3%		72.6%		71.5%	1.50	1.08
College Readiness Rate (including persistence) (n = 72)	79.2%		100.0%		85.3%	2.50	2.41

Postsecondary Enrollment Rate

These metrics measure the percentage of students in the 2011 and 2013 cohorts (all students who entered high school four years earlier) who graduated and enrolled in public service, a vocational program, or a degree program at a two- or four-year college by December 31, 2012.

	THIS SCHOOL'S RESULTS	COMPARISON TO PEER SCHOOLS (WEIGHTED 75%)	PERCENT OF PEER RANGE	COMPARISON TO CITY SCHOOLS (WEIGHTED 25%)	PERCENT OF CITY RANGE	POINTS POSSIBLE	POINTS EARNED
Postsecondary Enrollment Rate - 6 Months (n = 87)	92.0%		100.0%		100.0%	1.50	1.50
Postsecondary Enrollment Rate - 18 Months (n = 72)	90.3%		100.0%		92.8%	1.50	1.47

College and Career Preparatory Course Index

This metric measures the percentage of students in the 2013 cohort (all students who entered high school four years earlier) who have successfully completed approved rigorous courses and assessments (please see the Additional Information page for more information on this index).

	THIS SCHOOL'S RESULTS	COMPARISON TO PEER SCHOOLS (WEIGHTED 75%)	PERCENT OF PEER RANGE	COMPARISON TO CITY SCHOOLS (WEIGHTED 25%)	PERCENT OF CITY RANGE	POINTS POSSIBLE	POINTS EARNED
College and Career Preparatory Course Index (n = 78)	23.1%		29.7%		30.2%	3.00	0.89

College Preparatory Course Certification

This school participated in a college preparatory course certification process, a quantitative and qualitative evaluation of course rigor and the relationship to college readiness.

Applied Math

TOTAL POINTS	10.00	7.35
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How To Interpret These Charts

To determine the number of points earned, this school's 2012-13 results on each metric are compared to the results of peer schools and all high schools citywide. The comparison to peer schools is worth 75% of the points for each metric and the comparison to all high schools citywide is worth 25% of the points. The bars represent the range of results for the peer and city comparison schools from historical results that are within two standard deviations of the average. The percent of the range that is shaded is the school's share of possible points. The share is multiplied by the weight (75% or 25%) and the possible points for the metric to determine the points earned.

COMPARISON TO PEER SCHOOLS (WEIGHTED)

This school's result: 8.0

0% of range: 5.0 | Average value among comparison schools: 7.5 | 100% of range: 10.0

PERCENT OF RANGE: 60%

Share of comparison range covered by the school's result

Score Calculation Example

FORMULA ($\frac{\text{PERCENT OF PEER RANGE}}{100} \times 0.75 + \frac{\text{PERCENT OF PEER RANGE}}{100} \times 0.25$) X POINTS POSSIBLE = POINTS EARNED

EXAMPLE ($60\% \times 0.75 + 80\% \times 0.25$) X 3.75 = 2.44

A school earns additional credit when each high-need student meets the success criteria for an eligible metric. The number of points will depend on the percentage of the school's population that is in the high-need group, the percentage of that group that is successful, and a "fixed point value" based on how difficult it is to achieve the success criteria. Additional Credit can only improve a school's Progress Report score. It cannot lower a school's score. High schools are eligible for points on eight additional credit metrics, each of which is worth up to 2 points. (In the table below, "." in "This School's Results" indicates that a school has fewer than five eligible students in one of the categories.)

CATEGORY	THIS SCHOOL'S RESULTS	POPULATION PERCENTAGE	FIXED POINT VALUE	POINTS POSSIBLE	POINTS EARNED
Four Year Weighted Diploma Rate					
English Language Learners (n=12)	262.5%	15.4%	0.018	2.00	0.73
Self-Contained / ICT / SETSS (n=14)	335.7%	17.9%	0.020	2.00	1.21
All Students in the Lowest Third Citywide (n=25)	208.0%	32.1%	0.013	2.00	0.87
Black / Hispanic Males in the Lowest Third Citywide (n=14)	242.9%	17.9%	0.028	2.00	1.22
College and Career Readiness					
Students in the Lowest Third Citywide, CCPCI* (n=25)	4.0%	32.1%	0.151	2.00	0.19
Students in the Lowest Third Citywide, Four-year CRI** (n=25)	4.0%	32.1%	0.501	2.00	0.64
Students in the Lowest Third Citywide, PER† by Six Months After High School (n=26)	88.5%	29.9%	0.049	2.00	1.30
Movement from SC / ICT / SETSS to Less Restrictive Environments (n=69)	0.54	20.4%	0.062	2.00	0.68

*CCPCI = College and Career Preparatory Course Index

**CRI = College Readiness Index

†PER = Postsecondary Enrollment Rate

Each school's performance is compared to the performance of schools in its peer group. Peer schools are those New York City public schools with a student population most like this school's population. Each high school has up to 40 peer schools.

PEER GROUP CALCULATION

Peer groupings are created using a “nearest neighbor” matching methodology. This methodology examines the mathematical difference between a school and all potential peers on a given set of characteristics. Schools with the smallest difference across all the characteristics are peered together.

PEER GROUP FOR: **Urban Assembly School for Applied Math and Science, The**

DBN	SCHOOL	AVERAGE ENGLISH PROFICIENCY	AVERAGE MATH PROFICIENCY	%STUDENTS WITH DISABILITIES	%SELF-CONTAINED	%OVERAGE
09X241	Urban Assembly School for Applied Math and Science, The	2.68	3.12	21.8%	5.9%	3.5%
02M288	Food and Finance High School	2.71	2.90	21.2%	2.1%	4.2%
02M300	Urban Assembly School of Design and Construction, The	2.67	2.87	22.7%	8.1%	7.4%
02M305	Urban Assembly Academy of Government and Law, The	2.70	2.83	22.0%	4.2%	6.5%
02M392	Manhattan Business Academy	2.69	2.94	17.6%	5.0%	4.5%
02M399	The High School for Language and Diplomacy	2.67	3.01	19.7%	9.0%	6.3%
02M437	Hudson High School of Learning Technologies	2.66	2.90	21.0%	6.9%	5.7%
02M489	High School of Economics and Finance	2.80	3.21	16.2%	4.8%	6.6%
02M507	Urban Assembly Gateway School for Technology	2.77	3.13	19.0%	6.0%	2.8%
02M546	Academy for Software Engineering	2.86	3.21	19.5%	5.5%	2.3%
02M551	Urban Assembly New York Harbor School	2.77	2.93	21.2%	6.4%	6.2%
02M615	Chelsea Career and Technical Education High School	2.72	2.93	23.4%	6.1%	7.5%
02M655	Life Sciences Secondary School	2.68	2.91	19.4%	6.8%	7.0%
05M304	Mott Hall High School	2.65	2.87	18.6%	5.4%	7.3%
06M348	Washington Heights Expeditionary Learning School	2.70	3.06	21.4%	1.9%	6.4%
07X221	South Bronx Preparatory: A College Board School	2.66	2.81	22.4%	4.4%	5.5%
07X548	Urban Assembly School for Careers in Sports	2.70	2.94	23.6%	7.4%	4.4%
09X505	Bronx School for Law, Government and Justice	2.82	2.99	19.2%	6.4%	5.1%
10X141	Riverdale / Kingsbridge Academy (Middle School / High School 141)	2.82	3.06	19.6%	6.3%	2.5%
10X368	In-Tech Academy (M.S. / High School 368)	2.77	3.05	16.2%	3.6%	3.2%
11X542	Pelham Preparatory Academy	2.83	2.97	20.8%	8.7%	4.2%
12X242	Mott Hall V	2.67	3.12	23.2%	8.1%	6.6%
13K674	City Polytechnic High School of Engineering, Architecture, and Tec	2.77	3.02	19.5%	7.7%	3.8%
14K488	Brooklyn Preparatory High School	2.67	2.81	20.0%	6.6%	5.1%
14K558	Williamsburg High School for Architecture and Design	2.66	2.90	22.3%	7.3%	5.6%
14K561	Williamsburg Preparatory School	2.81	3.04	15.1%	6.0%	2.8%
17K122	Pathways in Technology Early College High School (P-Tech)	2.75	3.01	18.1%	8.4%	4.4%
20K485	High School of Telecommunication Arts and Technology	2.83	3.17	24.1%	7.1%	2.4%
21K344	Rachel Carson High School for Coastal Studies	2.73	2.91	19.7%	6.8%	5.9%
21K690	Brooklyn Studio Secondary School	2.84	3.10	18.9%	4.1%	3.6%
24Q267	High School of Applied Communication	2.69	2.93	18.9%	4.0%	6.3%
24Q293	Civic Leadership Academy	2.66	2.93	23.5%	5.1%	4.0%
24Q600	Queens Vocational and Technical High School	2.83	3.23	16.7%	5.8%	2.9%
25Q670	Robert F. Kennedy Community High School	2.76	3.10	23.3%	4.5%	4.3%
26Q566	Queens High School of Teaching, Liberal Arts and The Sciences	2.91	3.15	18.9%	5.1%	2.2%
28Q686	Queens Metropolitan High School	2.86	3.10	18.2%	5.2%	1.8%
30Q301	Academy for Careers in Television and Film	2.88	2.98	19.9%	3.9%	2.3%
30Q502	Information Technology High School	2.74	3.06	18.7%	6.1%	4.7%
31R440	New Dorp High School	2.75	2.89	22.9%	8.8%	4.5%
84X202	New Visions Charter High School for Advanced Math and Science II	2.69	3.02	21.1%	7.8%	4.7%
84X539	New Visions Charter High School for Advanced Math and Science	2.71	3.05	16.6%	8.9%	6.4%
PEER GROUP AVERAGES		2.74	3.00	20.2%	6.1%	4.7%

This Additional Information page provides context to view how a school's metrics were calculated on the previous pages of this report. Certain Progress Report metrics require that students reach one of many thresholds, or reach multiple thresholds in tandem to earn credit for their school. While all information on this page is not scored, the Additional Information page meaningfully illuminates or adds context to how a school received its metric values in the 2012-13 school year.

Regents Exams Includes all students in the high school who took the respective exams in January, June or August 2013.

		Average Score	% passing	% at College Ready Threshold for Exam
Mathematics:	Integrated Algebra (n = 108)	66	62%	9%
	Geometry (n = 11)	.	.	.
	Algebra 2/Trigonometry (n = 66)	61	44%	17%
ELA:	Comprehensive English (n = 80)	74	85%	54%
	U.S. History (n = 78)	76	85%	.
Social Studies:	Global History (n = 98)	72	68%	.
	Chemistry (n = 0)	.	.	.
Science:	Physics (n = 0)	.	.	.
	Earth Science (n = 112)	74	79%	.
	Living Environment (n = 71)	74	79%	.
Languages:	Languages Other Than English (n = 37)	79	81%	.

College Exams Calculated as highest result for the 2013 four-year graduation cohort anytime during their high school career.

		Average Score	% of 4-year Cohort Taking	% at College Ready Threshold for Exam
SAT:	Mathematics (n = 78)	427	89.7%	26.9%
	Critical Reading (n = 78)	400	89.7%	15.4%
	Writing (n = 78)	408	89.7%	.
ACT:	Mathematics (n = 78)	.	1.3%	0.0%
	English (n = 78)	.	1.3%	0.0%
	Reading (n = 78)	.	1.3%	.
	Science (n = 78)	.	1.3%	.
CUNY:	Math 1 (n = 78)	46	52.6%	29.5%
	Math 2 (n = 78)	29	51.3%	10.3%
	Reading (n = 78)	68	25.6%	14.1%
	Writing (n = 78)	53	26.9%	.

College and Career Readiness Metrics Disaggregated

	6 Months After Graduating	18 Months After Graduating
Post-secondary Enrollment Rate	92.0%	90.3%
2-Year or 4-Year College	89.7%	90.3%
CUNY	57.5%	65.3%
NYS Public	13.8%	13.9%
NYS Private	16.1%	9.7%
Out-of-State	5.7%	5.6%
Public Service	2.3%	0.0%
Vocational Program	0.0%	0.0%
	% of 4-year Cohort	% of 6-year Cohort
College Readiness Index (counting positively requires ALL thresholds)	33.3%	36.1%
% attaining Regents Diploma	78.2%	86.1%
% attaining Math College Readiness Standard	35.9%	38.9%
% attaining English College Readiness Standard	71.8%	69.4%
	% of 4-year Cohort	
College and Career Preparatory Course Index	23.1%	
% scoring 65+ on the Algebra II, Math B, Chemistry or Physics Regents Exam	16.7%	
% scoring 3+ on any Advanced Placement (AP) Exam	10.3%	
% scoring 4+ on any International Baccalaureate (IB) Exam	0.0%	
% earning a diploma with a Career and Technical Education (CTE) Endorsement	0.0%	
% passing an industry-recognized technical assessment	0.0%	
% earning a diploma with an Arts endorsement	0.0%	
% earning a grade of "C" or higher in a course for college credit	6.4%	
% passing another course certified by the DOE as college- and career-ready	2.6%	