

2014-15 School Quality Guide / HS

Summary of Section Ratings

Framework for Great Schools

The Framework consists of six elements—Rigorous Instruction, Collaborative Teachers, Supportive Environment, Effective School Leadership, Strong Family-Community Ties, and Trust—that drive Student Achievement. The School Quality Guide shares ratings and data on each of the Framework elements, based on information from Quality Reviews, the NYC School Survey, student attendance, and movement of students with disabilities to less restrictive environments. The School Quality Guide also shares ratings and data on Student Achievement based on a variety of quantitative measures of student growth and performance.

Section	Section Rating	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Rigorous Instruction	N/A				
Collaborative Teachers	N/A				
Supportive Environment	N/A				
Effective School Leadership	N/A				
Strong Family-Community Ties	N/A				
Trust	N/A				
Student Achievement	N/A				

Section scores are on a scale from 1.00 - 4.99. The first digit corresponds to the section rating, and the additional digits show how close the school was to the next rating level.

State Accountability Status: Good Standing

This designation is determined by the New York State Department of Education. More information on New York State accountability can be found at: <http://schools.nyc.gov/Accountability/tools/accountability/default.htm>

Note

In addition, an online version of the 2014-15 School Quality Guide, with additional features, can be found at <http://schoolqualityreports.nyc>

2014-15 School Quality Guide / HS
School Enrollment and Demographic Data

02M546
 Academy for Software Engineering

Student Enrollment

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Grade 9	128	120	118
Grade 10	-	121	117
Grade 11	-	-	109
All students	128	241	344

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	5%	3%	2%
% Free Lunch Eligible	57%	57%	64%
% Student with IEPs	20%	25%	26%
% Student with IEPs (less than 20% time)	5%	5%	6%
% Overage Under-credited	2%	2%	2%
% HRA Eligible	-	-	44%
% Temporary Housing	-	-	7%
% Asian	15%	13%	11%
% Black	28%	32%	29%
% Hispanic	45%	40%	46%
% White	5%	11%	9%
% Other	0%	5%	5%
Average Incoming ELA Proficiency	2.86	2.53	2.50
Average Incoming Math Proficiency	3.21	2.46	2.46

Student Achievement Rating Student Achievement Score

Student Achievement Metrics	n	2014-15 School Value	Bottom of Target Range	2014-15 Targets			Top of Target Range	Metric Score	Weight Pct
				Approaching Target	Meeting Target	Exceeding Target			
Credit Accumulation									
● Percent of Students Earning 10+ Credits in 1st Year	114	96.5%	64.3%	74.9%	81.7%	88.1%	98.3%	4.82	8.33%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	36	91.7%	37.5%	54.7%	66.3%	77.3%	94.8%	4.82	8.33%
Percent of Students Earning 10+ Credits in 2nd Year	111	84.7%	57.9%	70.3%	78.2%	85.7%	97.7%	3.87	8.33%
Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	34	73.5%	30.1%	49.5%	62.5%	74.9%	94.5%	3.89	8.33%
● Percent of Students Earning 10+ Credits in 3rd Year	120	90.0%	55.8%	68.5%	76.4%	83.9%	96.1%	4.50	8.33%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	36	88.9%	30.3%	49.2%	61.7%	73.4%	92.3%	4.82	8.33%
Regents Performance									
● Average Completion Rate for Remaining Regents	229	78.8%	33.1%	50.2%	60.1%	69.3%	85.3%	4.59	8.33%
● Weighted Regents Pass Rate - ELA	130	1.38	0.62	0.83	0.97	1.10	1.30	4.99	8.33%
Weighted Regents Pass Rate - Math	210	1.20	0.59	0.89	1.10	1.29	1.60	3.53	8.33%
Weighted Regents Pass Rate - Science	190	1.28	0.57	0.92	1.12	1.31	1.67	3.84	8.33%
Weighted Regents Pass Rate - Global History	112	0.81	0.46	0.70	0.86	1.01	1.25	2.69	8.33%
Weighted Regents Pass Rate - U.S. History	113	0.93	0.52	0.80	0.99	1.17	1.45	2.68	8.33%
Graduation / Diploma									
4-Year Graduation Rate			54.9%	67.9%	79.9%	88.3%	98.7%		0.00%
6-Year Graduation Rate			62.7%	73.1%	83.6%	91.1%	100.0%		0.00%
4-Year Weighted Diploma Rate			117.9%	160.8%	204.4%	235.3%	272.9%		0.00%
6-Year Weighted Diploma Rate			119.0%	158.7%	200.1%	229.5%	265.3%		0.00%
College and Career Readiness									
College and Career Preparatory Course Index			0.0%	17.1%	39.6%	57.9%	79.7%		0.00%
4-Year College Readiness Index			0.0%	10.9%	25.3%	37.0%	51.0%		0.00%
6-Year College Readiness Index with Persistence			23.5%	37.9%	54.3%	67.6%	84.2%		0.00%
Postsecondary Enrollment Rate - 6 Months			29.7%	43.4%	59.1%	71.8%	87.4%		0.00%
Postsecondary Enrollment Rate - 18 Months			41.3%	53.4%	67.1%	78.4%	92.1%		0.00%

Weighted Average Score

Closing the Achievement Gap (CtAG) Metrics	n	2014-15 School Population %	Population % of Range	2014-15 School Value	Bottom of Target Range	2014-15 Targets			Top of Target Range	Metric Score	Extra Points Possible	Extra Points Earned
						Approaching Target	Meeting Target	Exceeding Target				
Four-Year Weighted Diploma Rate												
English Language Learners		0.0%	0.0%		25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
Self-Contained / ICT / SETSS		0.0%	0.0%		0.0%	110.0%	197.0%	285.2%	420.0%		0.036	0.000
Lowest Third Citywide		0.0%	0.0%		0.0%	71.2%	127.5%	184.6%	271.8%		0.036	0.000
Black / Hispanic Males in Lowest Third Citywide		0.0%	0.0%		0.0%	65.3%	116.9%	169.2%	249.2%		0.036	0.000
College and Career Readiness												
Students in Lowest Third Citywide, College and Career Preparatory Course Index		0.0%	0.0%		0.0%	7.3%	13.0%	18.9%	27.8%		0.036	0.000
Students in Lowest Third Citywide, 4-Year College Readiness Index		0.0%	0.0%		0.0%	1.4%	2.5%	3.7%	5.4%		0.036	0.000
Students in the Lowest Third Citywide, Postsecondary Enrollment Rate - 6 Months		0.0%	0.0%		0.0%	11.4%	20.4%	29.5%	43.4%		0.036	0.000

CtAG Additional Points

Overall Student Achievement Score

- Filled circle indicates a metric rating of Exceeding Target (and a metric score of 4.00 or higher).
- Empty circle indicates a metric rating of Not Meeting Target (and a metric score of 1.99 or lower).

	Metric Value	Metric Score	Weight Pct
Rigorous Instruction			
Quality Review 1.1	Proficient	3.40	
Quality Review 1.2	Proficient	3.40	
Quality Review 2.2	Proficient	3.40	
NYC School Survey - Rigorous Instruction	92%	4.08	

Section Rating: **Section Score:**

Collaborative Teachers			
Quality Review 4.2	Proficient	3.40	
NYC School Survey - Collaborative Teachers	97%	4.68	

Section Rating: **Section Score:**

Supportive Environment			
Quality Review 3.4	Proficient	3.40	
NYC School Survey - Supportive Environment	89%	4.16	
Percentage of students with 90%+ attendance			
EMS			
HS	78.0%	4.12	
Overall	78.0%	4.12	
Movement of students with disabilities to less restrictive environments			
EMS			
HS	0.51	3.16	
Overall	0.51	3.16	

Section Rating: **Section Score:**

Effective School Leadership			
NYC School Survey - Effective School Leadership	98%	4.72	

Section Rating: **Section Score:**

Strong Family-Community Ties			
NYC School Survey - Strong Family-Community Ties	83%	4.08	

Section Rating: **Section Score:**

Trust			
NYC School Survey - Trust	96%	4.48	

Section Rating: **Section Score:**

		Survey % Positive	City Range			Percent of Range	Score	
			Bottom of Range	City Avg	Top of Range			
Rigorous Instruction								
	Common Core shifts in literacy	Teachers	93	76.8	89.4	100.0	0.68	3.72
•	Common Core shifts in math	Teachers	95	69.2	85.8	100.0	0.83	4.32
•	Course clarity	Students	93	77.5	86.9	96.3	0.81	4.24
	Quality of student discussion	Teachers	88	55.8	77.8	99.8	0.74	3.96
Section Results:			92%					4.08
Collaborative Teachers								
Cultural awareness:								
	Cultural awareness	Teachers	96	85.4	94.4	100.0	0.75	
	Cultural awareness	Parents	96	82.3	91.9	100.0	0.80	
	Cultural awareness	Students	84	66.6	80.6	94.6	0.61	
	Cultural awareness	Combined	92				0.72	3.88
•	Inclusive classroom instruction	Teachers	100	82.7	93.1	100.0	1.00	4.99
•	Quality of professional development	Teachers	88	50.4	75.6	100.0	0.76	4.04
•	School commitment	Teachers	99	53.7	82.3	100.0	0.98	4.92
•	Innovation	Teachers	100	65.9	84.5	100.0	1.00	4.99
•	Reflective dialogue	Teachers	100	85.1	95.3	100.0	1.00	4.99
•	Peer collaboration	Teachers	98	75.2	90.6	100.0	0.92	4.68
•	Focus on student learning	Teachers	99	60.0	85.2	100.0	0.98	4.92
•	Collective responsibility	Teachers	98	58.1	80.7	100.0	0.96	4.84
Section Results:			97%					4.68
Supportive Environment								
Safety:								
	Safety	Teachers						
	Safety	Students	91	67.5	82.9	98.3	0.77	
•	Safety	Combined	91				0.77	4.08
Classroom behavior:								
	Classroom behavior	Teachers						
	Classroom behavior	Students	86	68.3	82.1	95.9	0.65	
	Classroom behavior	Combined	86				0.65	3.60
•	Social-emotional measure	Teachers	100	86.6	95.2	100.0	1.00	4.99
•	Peer interactions	Students	86	58.2	74.4	90.6	0.86	4.44
•	Next-level guidance	Students	91	71.4	83.6	95.8	0.80	4.20
Press toward academic achievement:								
	Press toward academic achievement	Teachers						
	Press toward academic achievement	Students	91	76.3	86.1	95.9	0.76	
•	Press toward academic achievement	Combined	91				0.76	4.04
•	Personal attention and support	Students	89	69.0	81.8	94.6	0.79	4.16
Peer support for academic work:								
	Peer support for academic work	Teachers						
	Peer support for academic work	Parents	92	68.1	85.5	100.0	0.74	
	Peer support for academic work	Students	69	41.0	61.6	82.2	0.67	
	Peer support for academic work	Combined	80				0.71	3.84
Section Results:			89%					4.16

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
• Inclusive principal leadership	Parents	96	76.5	88.9	100.0	0.83	4.32
• Teacher influence	Teachers	97	40.6	71.4	100.0	0.95	4.80
• Program coherence	Teachers	100	57.0	82.6	100.0	1.00	4.99
• Principal instructional leadership	Teachers	98	58.2	84.6	100.0	0.94	4.76
Section Results:		98%					4.72
Strong Family Community Ties							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	99	75.2	89.0	100.0	0.94	
Teacher outreach to parents	Parents	93	76.7	88.1	99.5	0.70	
• Teacher outreach to parents	Combined	96				0.82	4.28
Parent involvement in the schools	Parents	69	41.2	61.0	80.8	0.71	3.84
Section Results:		83%					4.08
Trust							
• Parent-teacher trust	Parents	95	84.9	93.1	100.0	0.75	4.00
• Parent-principal trust	Parents	97	84.5	93.7	100.0	0.77	4.08
• Student-teacher trust	Students	89	68.5	81.1	93.7	0.81	4.24
• Teacher-principal trust	Teachers	100	55.0	84.0	100.0	1.00	4.99
• Teacher-teacher trust	Teachers	100	75.7	90.9	100.0	1.00	4.99
Section Results:		96%					4.48

2014-15 School Quality Reports / HS
Targets for 2015-16

02M546
 Academy for Software Engineering

These tables show the values needed in 2015-16 for the school to achieve a rating of Exceeding Target, Meeting Target, Approaching Target, or Not Meeting Target on each metric.

Student Achievement Metrics	2014-15 School Value	2015-16 Targets			
		Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Credit Accumulation					
10+ Credits in 1st Year - All Students	96.5%	74.4% or lower	74.5% to 81.5%	81.6% to 86.5%	86.6% or higher
10+ Credits in 1st Year - School's Lowest Third	91.7%	60.3% or lower	60.4% to 71.4%	71.5% to 79.1%	79.2% or higher
10+ Credits in 2nd Year - All Students	84.7%	74.2% or lower	74.3% to 81.4%	81.5% to 86.4%	86.5% or higher
10+ Credits in 2nd Year - School's Lowest Third	73.5%	61.9% or lower	62.0% to 72.5%	72.6% to 79.9%	80.0% or higher
10+ Credits in 3rd Year - All Students	90.0%	72.7% or lower	72.8% to 80.3%	80.4% to 85.6%	85.7% or higher
10+ Credits in 3rd Year - School's Lowest Third	88.9%	57.8% or lower	57.9% to 68.3%	68.4% to 75.7%	75.8% or higher
Regents Performance					
Average Completion Rate for Remaining Regents	78.8%	56.5% or lower	56.6% to 63.4%	63.5% to 68.3%	68.4% or higher
Average Regents Score - English (non-Common Core)*	68.0	72.0 or lower	72.1 to 75.4	75.5 to 77.7	77.8 or higher
Average Regents Score - English (Common Core)*	81.0	72.1 or lower	72.2 to 75.9	76.0 to 78.6	78.7 or higher
Average Regents Score - Living Environment*	75.0	69.0 or lower	69.1 to 72.3	72.4 to 74.6	74.7 or higher
Average Regents Score - Global History*	68.0	64.6 or lower	64.7 to 68.2	68.3 to 70.7	70.8 or higher
Average Regents Score - US History*	74.0	73.8 or lower	73.9 to 77.8	77.9 to 80.6	80.7 or higher
Average Regents Score - Algebra I (Common Core)*	65.0	60.7 or lower	60.8 to 63.5	63.6 to 65.5	65.6 or higher
Graduation / Non-Dropout					
4-Year Graduation Rate		77.2% or lower	77.3% to 83.5%	83.6% to 88.0%	88.1% or higher
6-Year Graduation Rate					
4-Year Non-Dropout Rate		87.3% or lower	87.4% to 90.8%	90.9% to 93.3%	93.4% or higher
6-Year Non-Dropout Rate					
College and Career Readiness					
College and Career Preparatory Course Index		50.1% or lower	50.2% to 63.1%	63.2% to 72.2%	72.3% or higher
4-Year College Readiness Index		33.9% or lower	34.0% to 42.1%	42.2% to 47.9%	48.0% or higher
6-Year College Readiness Index with Persistence					
Postsecondary Enrollment Rate - 6 Months					
Postsecondary Enrollment Rate - 18 Months					

* Because it is not possible to accurately predict who will take the Regents exams in advance, the table above provides *estimated* targets for the Regents score metrics. These targets will be adjusted based on the students at the school who actually take the exams.

Closing the Achievement Gap Metrics**	2014-15 School Value	2015-16 Targets			
		Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Four-Year Graduation Rate					
English Language Learners		65.2% or lower	65.3% to 74.9%	75.0% to 81.7%	81.8% or higher
Self-Contained / ICT / SETSS		59.0% or lower	59.1% to 70.3%	70.4% to 78.2%	78.3% or higher
Lowest Third Citywide					
Lowest Third Citywide		58.6% or lower	58.7% to 69.7%	69.8% to 77.4%	77.5% or higher
Black / Hispanic Males in Lowest Third Citywide		54.6% or lower	54.7% to 66.4%	66.5% to 74.7%	74.8% or higher
College and Career Readiness of Students in Lowest Third Citywide					
College and Career Preparatory Course Index		25.5% or lower	25.6% to 36.7%	36.8% to 44.5%	44.6% or higher
4-Year College Readiness Index		5.9% or lower	6.0% to 9.0%	9.1% to 11.1%	11.2% or higher
Postsecondary Enrollment Rate - 6 Months					

**To earn additional points from the Closing the Achievement Gap section on the 2015-16 School Quality Reports, the school must meet the targets below and have a population percentage (of the relevant high-need group) that is not more than one standard deviation below the citywide average.

Supportive Environment Metrics	2014-15 School Value	2015-16 Targets			
		Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Percentage of Students with 90%+ Attendance	78.0%	66.2% or lower	66.3% to 73.5%	73.6% to 78.6%	78.7% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.51	0.29 or lower	0.30 to 0.44	0.45 to 0.55	0.56 or higher