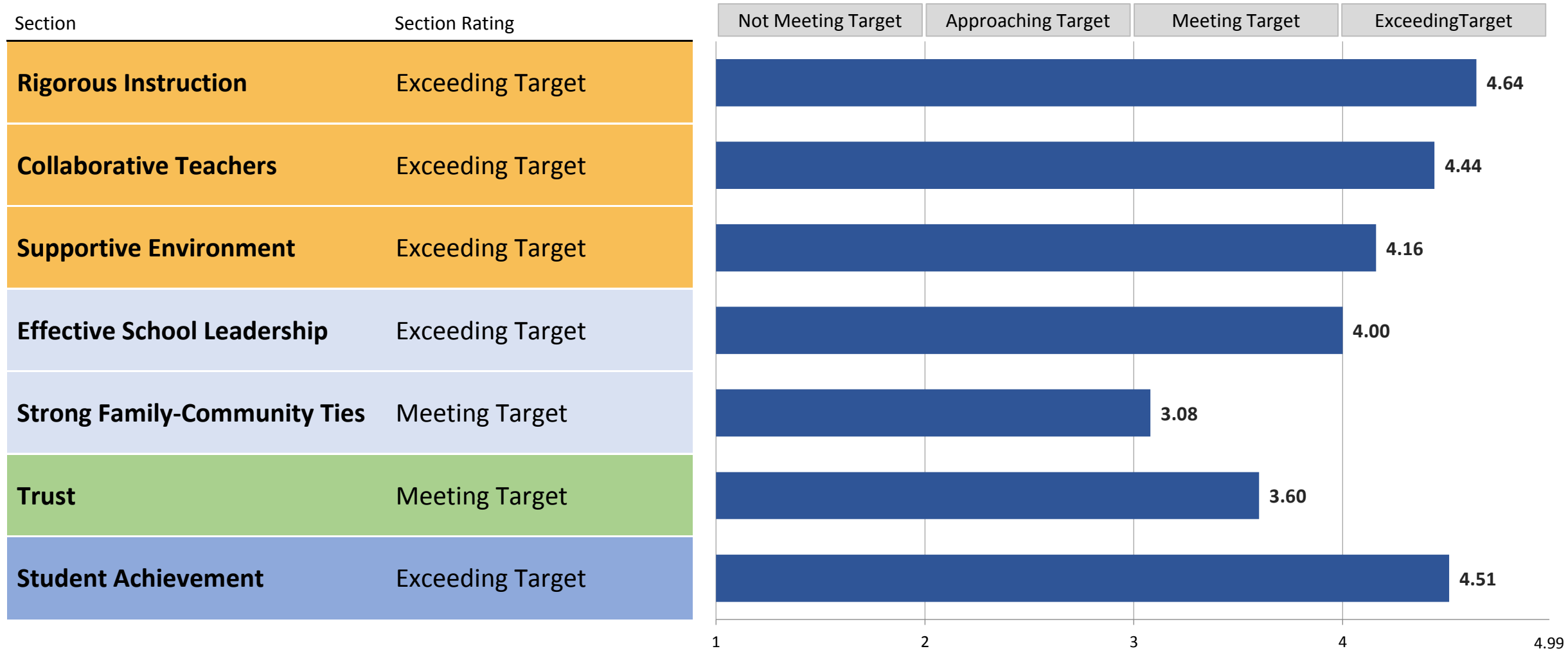


**Framework for Great Schools**

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 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: Reward**

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>

**Student Enrollment**

<b>Grade</b>	<b>2012 - 2013</b>	<b>2013 - 2014</b>	<b>2014 - 2015</b>
Grade 9	147	123	118
Grade 10	107	141	118
Grade 11	91	103	139
Grade 12	94	89	95
<b>All students</b>	<b>439</b>	<b>456</b>	<b>470</b>

**Student Demographics**

	<b>2012 - 2013</b>	<b>2013 - 2014</b>	<b>2014 - 2015</b>
% English Language Learners	0%	0%	0%
% Free Lunch Eligible	39%	39%	38%
% Student with IEPs	5%	5%	6%
% Student with IEPs (less than 20% time)	0%	1%	1%
% Overage Under-credited	1%	0%	0%
% HRA Eligible	-	-	25%
% Temporary Housing	-	-	3%
% Asian	35%	37%	39%
% Black	12%	9%	10%
% Hispanic	23%	24%	22%
% White	27%	25%	27%
% Other	0%	5%	3%
Average Incoming ELA Proficiency	3.52	3.67	3.70
Average Incoming Math Proficiency	4.05	3.75	3.83

**2014-15 School Quality Guide / HS**  
**Student Achievement Scoring Appendix**

05M692

High School for Mathematics, Science and Engineering at City College

Student Achievement Rating	Student Achievement Score
<b>Exceeding Target</b>	<b>4.51</b>

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			
<b>Credit Accumulation</b>									
● Percent of Students Earning 10+ Credits in 1st Year	117	99.1%	82.8%	92.8%	94.9%	96.9%	100.0%	4.71	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	34	100.0%	69.0%	84.4%	89.0%	93.3%	100.0%	4.99	4.17%
● Percent of Students Earning 10+ Credits in 2nd Year	115	99.1%	77.6%	89.4%	92.5%	95.4%	100.0%	4.80	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	35	97.1%	61.7%	79.0%	85.1%	90.9%	100.0%	4.68	4.17%
● Percent of Students Earning 10+ Credits in 3rd Year	139	98.6%	69.8%	82.1%	87.3%	92.3%	100.0%	4.82	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	40	95.0%	57.0%	74.6%	82.0%	88.9%	99.7%	4.56	4.17%
<b>Regents Performance</b>									
● Average Completion Rate for Remaining Regents	248	99.1%	62.5%	81.7%	87.0%	91.9%	98.9%	4.99	4.17%
● Weighted Regents Pass Rate - ELA	137	1.90	0.66	0.94	1.13	1.32	1.61	4.99	4.17%
● Weighted Regents Pass Rate - Math	293	1.26	0.90	1.15	1.26	1.36	1.54	3.00	4.17%
● Weighted Regents Pass Rate - Science	341	1.71	0.36	1.17	1.75	2.31	3.40	4.00	4.17%
● Weighted Regents Pass Rate - Global History	118	1.37	0.67	0.92	1.07	1.20	1.41	4.81	4.17%
● Weighted Regents Pass Rate - U.S. History	123	1.05	0.73	0.99	1.15	1.31	1.54	4.00	4.17%
<b>Graduation / Diploma</b>									
● 4-Year Graduation Rate	95	97.9%	77.6%	91.7%	94.9%	97.2%	100.0%	4.25	6.25%
● 6-Year Graduation Rate	93	98.9%	82.4%	93.0%	95.7%	97.7%	100.0%	4.52	6.25%
● 4-Year Weighted Diploma Rate	95	290.0%	171.7%	215.8%	251.5%	276.8%	304.2%	4.48	6.25%
● 6-Year Weighted Diploma Rate	93	276.3%	169.8%	211.1%	248.2%	274.4%	303.1%	4.07	6.25%
<b>College and Career Readiness</b>									
● College and Career Preparatory Course Index	95	100.0%	48.2%	64.4%	75.9%	85.4%	93.8%	4.99	5.00%
● 4-Year College Readiness Index	95	97.9%	40.0%	50.3%	63.6%	74.4%	87.0%	4.99	5.00%
● 6-Year College Readiness Index with Persistence	93	98.9%	58.4%	76.2%	84.4%	91.2%	97.7%	4.99	5.00%
● Postsecondary Enrollment Rate - 6 Months	88	89.8%	58.5%	74.7%	83.5%	90.7%	98.1%	3.88	5.00%
● Postsecondary Enrollment Rate - 18 Months	93	95.7%	66.1%	80.1%	87.1%	92.9%	99.1%	4.45	5.00%
								<b>Weighted Average Score</b>	<b>4.51</b>

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				
<b>Four-Year Weighted Diploma Rate</b>												
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	3	3.2%	8.1%		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
<b>College and Career Readiness</b>												
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
											<b>CtAG Additional Points</b>	<b>0.00</b>
											<b>Overall Student Achievement Score</b>	<b>4.51</b>

- 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
<b>Rigorous Instruction</b>			
Quality Review 1.1	Well Developed	4.99	22%
Quality Review 1.2	Well Developed	4.99	22%
Quality Review 2.2	Well Developed	4.99	22%
NYC School Survey - Rigorous Instruction	93%	3.92	34%
<b>Section Rating: Exceeding Target</b>	<b>Section Score:</b>	<b>4.64</b>	

<b>Collaborative Teachers</b>			
Quality Review 4.2	Well Developed	4.99	50%
NYC School Survey - Collaborative Teachers	90%	3.84	50%
<b>Section Rating: Exceeding Target</b>	<b>Section Score:</b>	<b>4.44</b>	

<b>Supportive Environment</b>			
Quality Review 3.4	Well Developed	4.99	30%
NYC School Survey - Supportive Environment	90%	4.08	35%
Percentage of students with 90%+ attendance			
EMS			
HS	91.5%	3.72	
Overall	91.5%	3.72	30%
Movement of students with disabilities to less restrictive environments			
EMS			
HS	0.31	2.20	
Overall	0.31	2.20	5%
<b>Section Rating: Exceeding Target</b>	<b>Section Score:</b>	<b>4.16</b>	

<b>Effective School Leadership</b>			
NYC School Survey - Effective School Leadership	89%	4.00	100%
<b>Section Rating: Exceeding Target</b>	<b>Section Score:</b>	<b>4.00</b>	

<b>Strong Family-Community Ties</b>			
NYC School Survey - Strong Family-Community Ties	75%	3.08	100%
<b>Section Rating: Meeting Target</b>	<b>Section Score:</b>	<b>3.08</b>	

<b>Trust</b>			
NYC School Survey - Trust	90%	3.60	100%
<b>Section Rating: Meeting Target</b>	<b>Section Score:</b>	<b>3.60</b>	

		Survey % Positive	City Range			Percent of Range	Score	
			Bottom of Range	City Avg	Top of Range			
<b>Rigorous Instruction</b>								
	Common Core shifts in literacy	Teachers	92	76.8	89.4	100.0	0.63	3.52
•	Common Core shifts in math	Teachers	95	69.2	85.8	100.0	0.84	4.36
	Course clarity	Students	87	77.5	86.9	96.3	0.52	3.08
•	Quality of student discussion	Teachers	97	55.8	77.8	99.8	0.93	4.72
<b>Section Results:</b>			93%					<b>3.92</b>
<b>Collaborative Teachers</b>								
Cultural awareness:								
	Cultural awareness	Teachers	96	85.4	94.4	100.0	0.75	
	Cultural awareness	Parents	92	82.3	91.9	100.0	0.54	
	Cultural awareness	Students	80	66.6	80.6	94.6	0.46	
	Cultural awareness	Combined	89				0.58	3.32
•	Inclusive classroom instruction	Teachers	96	82.7	93.1	100.0	0.79	4.16
	Quality of professional development	Teachers	63	50.4	75.6	100.0	0.25	2.00
•	School commitment	Teachers	98	53.7	82.3	100.0	0.95	4.80
	Innovation	Teachers	87	65.9	84.5	100.0	0.61	3.44
•	Reflective dialogue	Teachers	97	85.1	95.3	100.0	0.80	4.20
•	Peer collaboration	Teachers	97	75.2	90.6	100.0	0.87	4.48
•	Focus on student learning	Teachers	96	60.0	85.2	100.0	0.89	4.56
	Collective responsibility	Teachers	85	58.1	80.7	100.0	0.64	3.56
<b>Section Results:</b>			90%					<b>3.84</b>
<b>Supportive Environment</b>								
Safety:								
	Safety	Teachers						
	Safety	Students	93	67.5	82.9	98.3	0.81	
•	Safety	Combined	93				0.81	4.24
Classroom behavior:								
	Classroom behavior	Teachers						
	Classroom behavior	Students	94	68.3	82.1	95.9	0.92	
•	Classroom behavior	Combined	94				0.92	4.68
•	Social-emotional measure	Teachers	96	86.6	95.2	100.0	0.75	4.00
•	Peer interactions	Students	87	58.2	74.4	90.6	0.88	4.52
	Next-level guidance	Students	87	71.4	83.6	95.8	0.64	3.56
Press toward academic achievement:								
	Press toward academic achievement	Teachers						
	Press toward academic achievement	Students	94	76.3	86.1	95.9	0.91	
•	Press toward academic achievement	Combined	94				0.91	4.64
	Personal attention and support	Students	76	69.0	81.8	94.6	0.29	2.16
Peer support for academic work:								
	Peer support for academic work	Teachers						
	Peer support for academic work	Parents	100	68.1	85.5	100.0	0.98	
	Peer support for academic work	Students	80	41.0	61.6	82.2	0.95	
•	Peer support for academic work	Combined	90				0.97	4.88
<b>Section Results:</b>			90%					<b>4.08</b>

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
<b>Effective School Leadership</b>							
Inclusive principal leadership	Parents	92	76.5	88.9	100.0	0.67	3.68
Teacher influence	Teachers	82	40.6	71.4	100.0	0.70	3.80
• Program coherence	Teachers	93	57.0	82.6	100.0	0.84	4.36
• Principal instructional leadership	Teachers	90	58.2	84.6	100.0	0.77	4.08
<b>Section Results:</b>		89%					<b>4.00</b>
<b>Strong Family Community Ties</b>							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	97	75.2	89.0	100.0	0.90	
Teacher outreach to parents	Parents	84	76.7	88.1	99.5	0.33	
Teacher outreach to parents	Combined	91				0.61	3.44
Parent involvement in the schools	Parents	58	41.2	61.0	80.8	0.42	2.68
<b>Section Results:</b>		75%					<b>3.08</b>
<b>Trust</b>							
Parent-teacher trust	Parents	94	84.9	93.1	100.0	0.60	3.40
• Parent-principal trust	Parents	95	84.5	93.7	100.0	0.75	4.00
Student-teacher trust	Students	78	68.5	81.1	93.7	0.39	2.56
• Teacher-principal trust	Teachers	89	55.0	84.0	100.0	0.75	4.00
• Teacher-teacher trust	Teachers	95	75.7	90.9	100.0	0.78	4.12
<b>Section Results:</b>		90%					<b>3.60</b>



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

05M692

High School for Mathematics, Science and Engineeri

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
<b>Credit Accumulation</b>					
10+ Credits in 1st Year - All Students	99.1%	83.1% or lower	83.2% to 87.8%	87.9% to 91.1%	91.2% or higher
10+ Credits in 1st Year - School's Lowest Third	100.0%	75.8% or lower	75.9% to 82.5%	82.6% to 87.2%	87.3% or higher
10+ Credits in 2nd Year - All Students	99.1%	83.1% or lower	83.2% to 87.8%	87.9% to 91.1%	91.2% or higher
10+ Credits in 2nd Year - School's Lowest Third	97.1%	77.3% or lower	77.4% to 83.6%	83.7% to 88.0%	88.1% or higher
10+ Credits in 3rd Year - All Students	98.6%	81.7% or lower	81.8% to 86.8%	86.9% to 90.4%	90.5% or higher
10+ Credits in 3rd Year - School's Lowest Third	95.0%	75.7% or lower	75.8% to 82.4%	82.5% to 87.2%	87.3% or higher
<b>Regents Performance</b>					
Average Completion Rate for Remaining Regents	99.1%	84.2% or lower	84.3% to 88.6%	88.7% to 91.6%	91.7% or higher
Average Regents Score - English (non-Common Core)*	90.0	79.9 or lower	80.0 to 84.9	85.0 to 89.8	89.9 or higher
Average Regents Score - English (Common Core)*		79.9 or lower	80.0 to 84.9	85.0 to 89.9	90.0 or higher
Average Regents Score - Living Environment*	90.0	79.9 or lower	80.0 to 84.9	85.0 to 89.9	90.0 or higher
Average Regents Score - Global History*	89.0	79.9 or lower	80.0 to 84.9	85.0 to 89.9	90.0 or higher
Average Regents Score - US History*	94.0	79.9 or lower	80.0 to 84.9	85.0 to 89.9	90.0 or higher
Average Regents Score - Algebra I (Common Core)*	85.0	71.7 or lower	71.8 to 74.5	74.6 to 76.4	76.5 or higher
<b>Graduation / Non-Dropout</b>					
4-Year Graduation Rate	97.9%	85.0% or lower	85.1% to 89.1%	89.2% to 92.1%	92.2% or higher
6-Year Graduation Rate	98.9%	88.5% or lower	88.6% to 91.7%	91.8% to 93.9%	94.0% or higher
4-Year Non-Dropout Rate	97.9%	91.0% or lower	91.1% to 93.5%	93.6% to 95.2%	95.3% or higher
6-Year Non-Dropout Rate	98.9%	89.9% or lower	90.0% to 92.7%	92.8% to 94.6%	94.7% or higher
<b>College and Career Readiness</b>					
College and Career Preparatory Course Index	100.0%	71.3% or lower	71.4% to 78.8%	78.9% to 84.1%	84.2% or higher
4-Year College Readiness Index	97.9%	76.6% or lower	76.7% to 82.0%	82.1% to 85.7%	85.8% or higher
6-Year College Readiness Index with Persistence	98.9%	84.7% or lower	84.8% to 88.8%	88.9% to 91.8%	91.9% or higher
Postsecondary Enrollment Rate - 6 Months	89.8%	81.3% or lower	81.4% to 86.4%	86.5% to 89.9%	90.0% or higher
Postsecondary Enrollment Rate - 18 Months	95.7%	85.8% or lower	85.9% to 89.7%	89.8% to 92.4%	92.5% or higher

\* 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
<b>Four-Year Graduation Rate</b>					
English Language Learners					
Self-Contained / ICT / SETSS		71.2% or lower	71.3% to 79.1%	79.2% to 84.7%	84.8% or higher
Lowest Third Citywide					
Black / Hispanic Males in Lowest Third Citywide					
<b>College and Career Readiness of Students in Lowest Third Citywide</b>					
College and Career Preparatory Course Index					
4-Year College Readiness Index					
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	91.5%	79.9% or lower	80.0% to 85.5%	85.6% to 89.3%	89.4% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.31	0.35 or lower	0.36 to 0.53	0.54 to 0.65	0.66 or higher