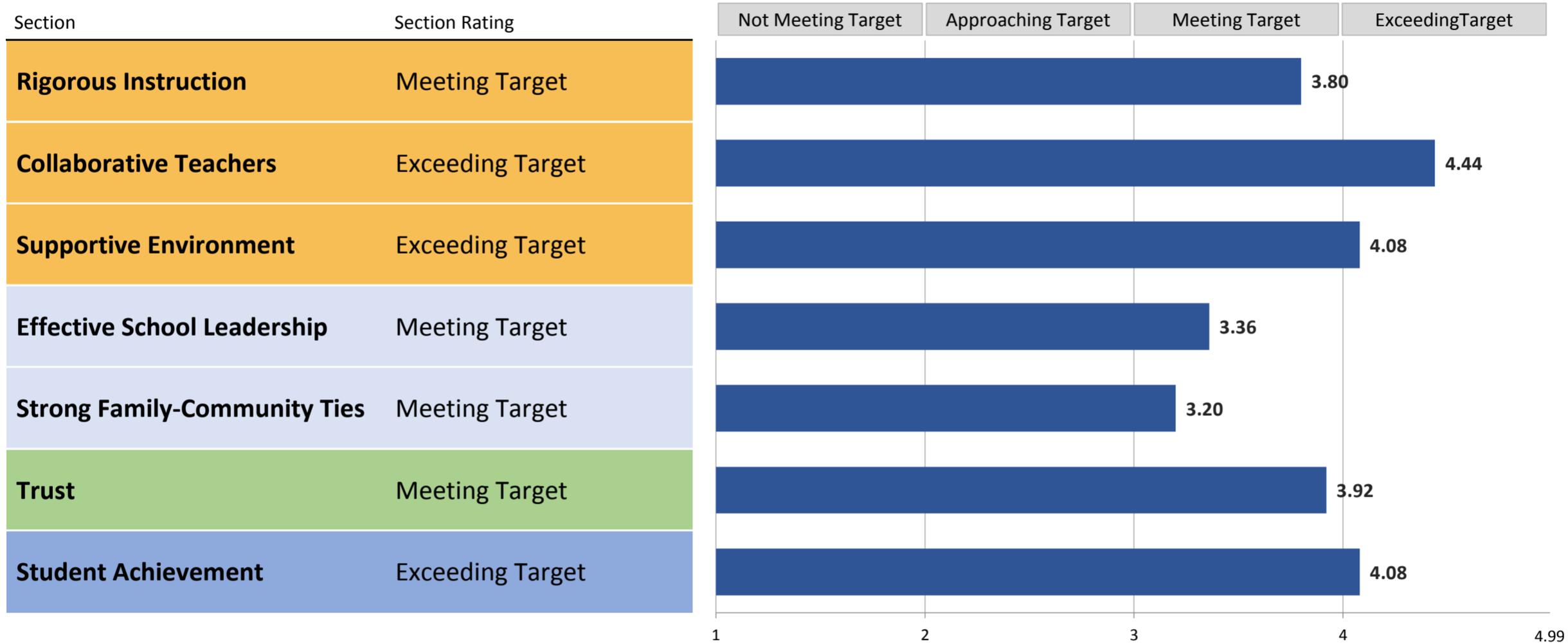


**Framework for Great Schools**

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: 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>

**Student Enrollment**

<b>Grade</b>	<b>2012 - 2013</b>	<b>2013 - 2014</b>	<b>2014 - 2015</b>
Grade 9	227	234	253
Grade 10	237	239	237
Grade 11	238	233	234
Grade 12	226	240	235
<b>All students</b>	<b>928</b>	<b>946</b>	<b>959</b>

**Student Demographics**

	<b>2012 - 2013</b>	<b>2013 - 2014</b>	<b>2014 - 2015</b>
% English Language Learners	1%	0%	0%
% Free Lunch Eligible	53%	53%	55%
% Student with IEPs	10%	11%	13%
% Student with IEPs (less than 20% time)	1%	1%	1%
% Overage Under-credited	2%	1%	1%
% HRA Eligible	-	-	33%
% Temporary Housing	-	-	1%
% Asian	34%	35%	35%
% Black	11%	11%	11%
% Hispanic	40%	39%	36%
% White	14%	12%	12%
% Other	0%	3%	6%
Average Incoming ELA Proficiency	3.07	2.87	2.84
Average Incoming Math Proficiency	3.51	2.91	2.86

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

27Q650

High School for Construction Trades, Engineering and Architecture

Student Achievement Rating	Student Achievement Score
<b>Exceeding Target</b>	<b>4.08</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	250	99.2%	75.2%	85.0%	89.4%	93.5%	100.0%	4.88	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	75	97.3%	53.1%	69.0%	78.1%	86.6%	100.0%	4.80	4.17%
● Percent of Students Earning 10+ Credits in 2nd Year	233	98.3%	69.3%	80.9%	86.5%	91.8%	100.0%	4.79	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	71	97.2%	46.7%	64.7%	75.0%	84.8%	100.0%	4.82	4.17%
● Percent of Students Earning 10+ Credits in 3rd Year	234	94.0%	63.2%	75.9%	82.9%	89.6%	100.0%	4.42	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	70	90.0%	45.1%	63.5%	74.1%	84.1%	99.7%	4.38	4.17%
<b>Regents Performance</b>									
Average Completion Rate for Remaining Regents	466	85.7%	52.0%	70.8%	79.2%	87.1%	98.9%	3.82	4.17%
Weighted Regents Pass Rate - ELA	250	1.07	0.71	0.92	1.05	1.18	1.37	3.15	4.17%
Weighted Regents Pass Rate - Math	484	1.31	0.81	1.10	1.27	1.43	1.68	3.25	4.17%
Weighted Regents Pass Rate - Science	511	1.34	0.69	1.11	1.36	1.59	1.96	2.92	4.17%
Weighted Regents Pass Rate - Global History	270	1.07	0.66	0.88	0.99	1.10	1.27	3.73	4.17%
Weighted Regents Pass Rate - U.S. History	236	1.06	0.67	0.91	1.05	1.19	1.40	3.07	4.17%
<b>Graduation / Diploma</b>									
● 4-Year Graduation Rate	232	94.8%	69.7%	82.7%	89.4%	94.3%	100.0%	4.09	6.25%
● 6-Year Graduation Rate	224	98.2%	75.7%	85.6%	91.2%	95.2%	100.0%	4.63	6.25%
● 4-Year Weighted Diploma Rate	232	272.4%	145.6%	187.7%	225.9%	252.9%	284.8%	4.61	6.25%
● 6-Year Weighted Diploma Rate	224	272.3%	136.3%	178.0%	220.7%	250.9%	286.4%	4.60	6.25%
<b>College and Career Readiness</b>									
● College and Career Preparatory Course Index	232	79.3%	16.0%	32.5%	54.5%	72.3%	93.8%	4.33	5.00%
● 4-Year College Readiness Index	232	67.7%	13.9%	25.7%	42.7%	56.6%	75.6%	4.58	5.00%
6-Year College Readiness Index with Persistence	224	78.6%	40.6%	56.2%	71.0%	83.0%	96.6%	3.63	5.00%
Postsecondary Enrollment Rate - 6 Months	236	77.5%	45.9%	60.7%	73.8%	84.5%	96.6%	3.35	5.00%
Postsecondary Enrollment Rate - 18 Months	224	82.1%	55.4%	68.3%	79.5%	88.6%	99.1%	3.29	5.00%
<b>Weighted Average Score</b>								<b>4.08</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	2	0.9%	1.6%		25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
Self-Contained / ICT / SETSS	22	9.5%	24.1%	488.6%	0.0%	110.0%	197.0%	285.2%	420.0%		0.036	0.000
Lowest Third Citywide	17	7.3%	11.0%	208.8%	0.0%	71.2%	127.5%	184.6%	271.8%		0.036	0.000
Black / Hispanic Males in Lowest Third Citywide	10	4.3%	11.0%	230.0%	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	17	7.3%	11.0%	23.5%	0.0%	7.3%	13.0%	18.9%	27.8%		0.036	0.000
Students in Lowest Third Citywide, 4-Year College Readiness Index	17	7.3%	11.0%	5.9%	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	15	6.4%	10.5%	33.3%	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>4.08</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	Proficient	3.40	22%
NYC School Survey - Rigorous Instruction	82%	2.52	34%
<b>Section Rating: Meeting Target</b>	<b>Section Score:</b>	<b>3.80</b>	

<b>Collaborative Teachers</b>			
Quality Review 4.2	Well Developed	4.99	50%
NYC School Survey - Collaborative Teachers	91%	3.88	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	88%	3.88	35%
Percentage of students with 90%+ attendance			
EMS			
HS	84.9%	3.72	
Overall	84.9%	3.72	30%
Movement of students with disabilities to less restrictive environments			
EMS			
HS	0.25	1.92	
Overall	0.25	1.92	5%
<b>Section Rating: Exceeding Target</b>	<b>Section Score:</b>	<b>4.08</b>	

<b>Effective School Leadership</b>			
NYC School Survey - Effective School Leadership	83%	3.36	100%
<b>Section Rating: Meeting Target</b>	<b>Section Score:</b>	<b>3.36</b>	

<b>Strong Family-Community Ties</b>			
NYC School Survey - Strong Family-Community Ties	76%	3.20	100%
<b>Section Rating: Meeting Target</b>	<b>Section Score:</b>	<b>3.20</b>	

<b>Trust</b>			
NYC School Survey - Trust	91%	3.92	100%
<b>Section Rating: Meeting Target</b>	<b>Section Score:</b>	<b>3.92</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	79	76.8	89.4	100.0	0.09	1.36
	Common Core shifts in math	Teachers	78	69.2	85.8	100.0	0.30	2.20
	Course clarity	Students	87	77.5	86.9	96.3	0.48	2.92
	Quality of student discussion	Teachers	85	55.8	77.8	99.8	0.66	3.64
<b>Section Results:</b>			<b>82%</b>					<b>2.52</b>
<b>Collaborative Teachers</b>								
Cultural awareness:								
	Cultural awareness	Teachers	92	85.4	94.4	100.0	0.50	
	Cultural awareness	Parents	94	82.3	91.9	100.0	0.66	
	Cultural awareness	Students	81	66.6	80.6	94.6	0.52	
	Cultural awareness	Combined	89				0.56	3.24
	Inclusive classroom instruction	Teachers	91	82.7	93.1	100.0	0.50	3.00
	Quality of professional development	Teachers	81	50.4	75.6	100.0	0.61	3.44
●	School commitment	Teachers	97	53.7	82.3	100.0	0.92	4.68
	Innovation	Teachers	89	65.9	84.5	100.0	0.68	3.72
●	Reflective dialogue	Teachers	99	85.1	95.3	100.0	0.93	4.72
●	Peer collaboration	Teachers	96	75.2	90.6	100.0	0.84	4.36
●	Focus on student learning	Teachers	94	60.0	85.2	100.0	0.84	4.36
	Collective responsibility	Teachers	85	58.1	80.7	100.0	0.64	3.56
<b>Section Results:</b>			<b>91%</b>					<b>3.88</b>
<b>Supportive Environment</b>								
Safety:								
	Safety	Teachers						
	Safety	Students	91	67.5	82.9	98.3	0.76	
●	Safety	Combined	91				0.76	4.04
Classroom behavior:								
	Classroom behavior	Teachers						
	Classroom behavior	Students	88	68.3	82.1	95.9	0.70	
	Classroom behavior	Combined	88				0.70	3.80
●	Social-emotional measure	Teachers	97	86.6	95.2	100.0	0.78	4.12
●	Peer interactions	Students	83	58.2	74.4	90.6	0.76	4.04
	Next-level guidance	Students	89	71.4	83.6	95.8	0.73	3.92
Press toward academic achievement:								
	Press toward academic achievement	Teachers						
	Press toward academic achievement	Students	92	76.3	86.1	95.9	0.79	
●	Press toward academic achievement	Combined	92				0.79	4.16
	Personal attention and support	Students	81	69.0	81.8	94.6	0.48	2.92
Peer support for academic work:								
	Peer support for academic work	Teachers						
	Peer support for academic work	Parents	94	68.1	85.5	100.0	0.81	
	Peer support for academic work	Students	67	41.0	61.6	82.2	0.63	
	Peer support for academic work	Combined	80				0.72	3.88
<b>Section Results:</b>			<b>88%</b>					<b>3.88</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	89	76.5	88.9	100.0	0.55	3.20
Teacher influence	Teachers	70	40.6	71.4	100.0	0.50	3.00
• Program coherence	Teachers	90	57.0	82.6	100.0	0.77	4.08
Principal instructional leadership	Teachers	81	58.2	84.6	100.0	0.54	3.16
<b>Section Results:</b>		83%					<b>3.36</b>
<b>Strong Family Community Ties</b>							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	91	75.2	89.0	100.0	0.62	
Teacher outreach to parents	Parents	89	76.7	88.1	99.5	0.52	
Teacher outreach to parents	Combined	90				0.57	3.28
Parent involvement in the schools	Parents	62	41.2	61.0	80.8	0.52	3.08
<b>Section Results:</b>		76%					<b>3.20</b>
<b>Trust</b>							
• Parent-teacher trust	Parents	96	84.9	93.1	100.0	0.75	4.00
• Parent-principal trust	Parents	95	84.5	93.7	100.0	0.75	4.00
Student-teacher trust	Students	84	68.5	81.1	93.7	0.63	3.52
Teacher-principal trust	Teachers	86	55.0	84.0	100.0	0.68	3.72
• Teacher-teacher trust	Teachers	96	75.7	90.9	100.0	0.82	4.28
<b>Section Results:</b>		91%					<b>3.92</b>

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

27Q650

High School for Construction Trades, Engineering a

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	99.2%	79.5% or lower	79.6% to 85.2%	85.3% to 89.2%	89.3% or higher
10+ Credits in 1st Year - School's Lowest Third	97.3%	68.1% or lower	68.2% to 77.0%	77.1% to 83.2%	83.3% or higher
10+ Credits in 2nd Year - All Students	98.3%	79.2% or lower	79.3% to 85.0%	85.1% to 89.0%	89.1% or higher
10+ Credits in 2nd Year - School's Lowest Third	97.2%	68.4% or lower	68.5% to 77.2%	77.3% to 83.3%	83.4% or higher
10+ Credits in 3rd Year - All Students	94.0%	78.9% or lower	79.0% to 84.8%	84.9% to 88.9%	89.0% or higher
10+ Credits in 3rd Year - School's Lowest Third	90.0%	68.6% or lower	68.7% to 77.3%	77.4% to 83.4%	83.5% or higher
<b>Regents Performance</b>					
Average Completion Rate for Remaining Regents	85.7%	74.8% or lower	74.9% to 81.7%	81.8% to 86.6%	86.7% or higher
Average Regents Score - English (non-Common Core)*	82.0	76.3 or lower	76.4 to 79.6	79.7 to 82.0	82.1 or higher
Average Regents Score - English (Common Core)*	87.0	79.6 or lower	79.7 to 83.4	83.5 to 86.0	86.1 or higher
Average Regents Score - Living Environment*	79.0	74.5 or lower	74.6 to 77.9	78.0 to 80.2	80.3 or higher
Average Regents Score - Global History*	77.0	73.7 or lower	73.8 to 77.2	77.3 to 79.7	79.8 or higher
Average Regents Score - US History*	84.0	79.8 or lower	79.9 to 83.8	83.9 to 86.6	86.7 or higher
Average Regents Score - Algebra I (Common Core)*	69.0	65.6 or lower	65.7 to 68.4	68.5 to 70.4	70.5 or higher
<b>Graduation / Non-Dropout</b>					
4-Year Graduation Rate	94.8%	81.8% or lower	81.9% to 86.8%	86.9% to 90.4%	90.5% or higher
6-Year Graduation Rate	98.2%	85.9% or lower	86.0% to 89.8%	89.9% to 92.5%	92.6% or higher
4-Year Non-Dropout Rate	96.6%	89.8% or lower	89.9% to 92.6%	92.7% to 94.6%	94.7% or higher
6-Year Non-Dropout Rate	98.7%	87.8% or lower	87.9% to 91.2%	91.3% to 93.6%	93.7% or higher
<b>College and Career Readiness</b>					
College and Career Preparatory Course Index	79.3%	55.8% or lower	55.9% to 67.4%	67.5% to 75.6%	75.7% or higher
4-Year College Readiness Index	67.7%	50.5% or lower	50.6% to 58.8%	58.9% to 64.6%	64.7% or higher
6-Year College Readiness Index with Persistence	78.6%	74.8% or lower	74.9% to 81.7%	81.8% to 86.5%	86.6% or higher
Postsecondary Enrollment Rate - 6 Months	77.5%	74.9% or lower	75.0% to 81.7%	81.8% to 86.5%	86.6% or higher
Postsecondary Enrollment Rate - 18 Months	82.1%	79.7% or lower	79.8% to 85.3%	85.4% to 89.2%	89.3% 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		67.5% or lower	67.6% to 76.5%	76.6% to 82.8%	82.9% or higher
Self-Contained / ICT / SETSS	81.8%	66.4% or lower	66.5% to 75.7%	75.8% to 82.1%	82.2% or higher
<b>Lowest Third Citywide</b>					
Lowest Third Citywide	64.7%	62.1% or lower	62.2% to 72.2%	72.3% to 79.3%	79.4% or higher
Black / Hispanic Males in Lowest Third Citywide	60.0%	59.9% or lower	60.0% to 70.5%	70.6% to 78.0%	78.1% or higher
<b>College and Career Readiness of Students in Lowest Third Citywide</b>					
College and Career Preparatory Course Index	23.5%	24.5% or lower	24.6% to 35.7%	35.8% to 43.5%	43.6% or higher
4-Year College Readiness Index	5.9%	7.2% or lower	7.3% to 10.9%	11.0% to 13.6%	13.7% or higher
Postsecondary Enrollment Rate - 6 Months	33.3%	32.2% or lower	32.3% to 41.0%	41.1% to 47.1%	47.2% or higher

\*\*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	84.9%	74.9% or lower	75.0% to 81.8%	81.9% to 86.7%	86.8% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.25	0.31 or lower	0.32 to 0.47	0.48 to 0.59	0.60 or higher