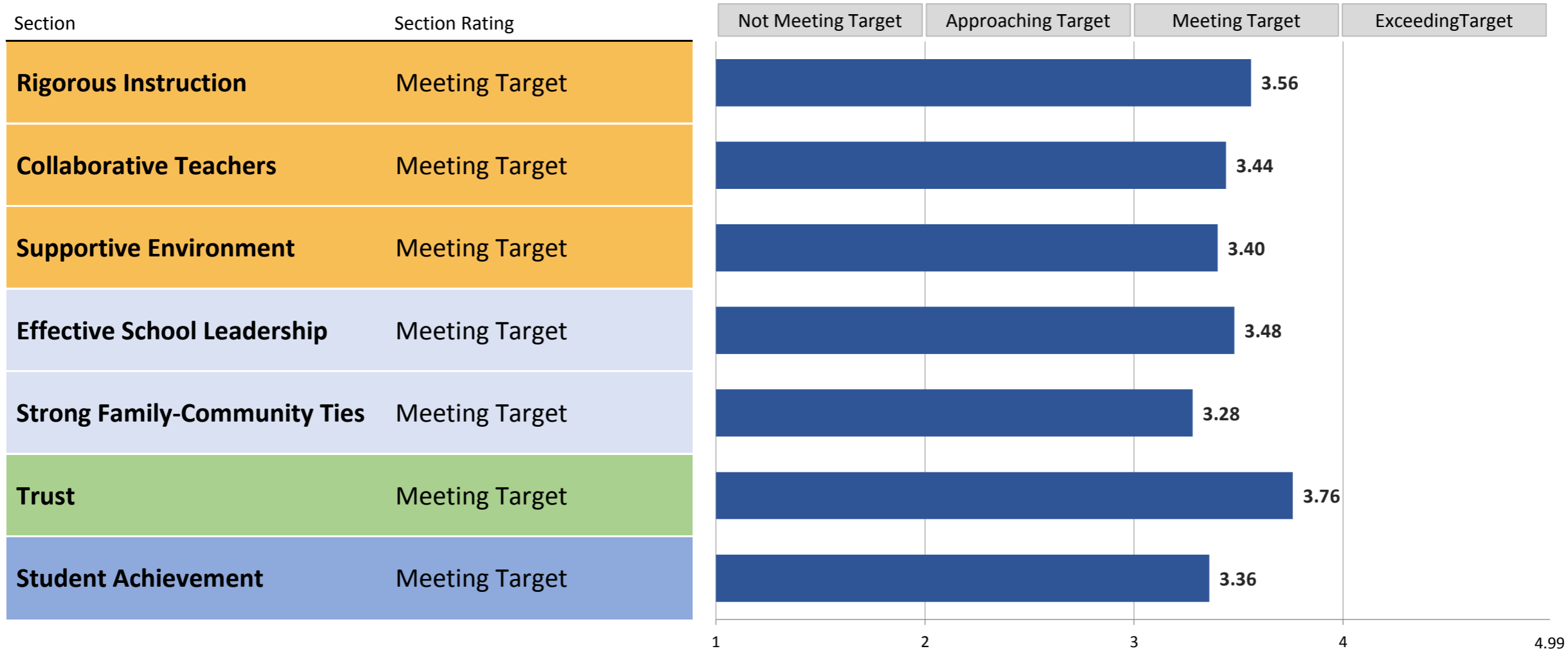


**Framework for Great Schools**

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	154	115	100
Grade 10	168	161	133
Grade 11	88	114	114
Grade 12	80	87	106
<b>All students</b>	<b>490</b>	<b>477</b>	<b>453</b>

**Student Demographics**

	<b>2012 - 2013</b>	<b>2013 - 2014</b>	<b>2014 - 2015</b>
% English Language Learners	8%	6%	7%
% Free Lunch Eligible	74%	74%	78%
% Student with IEPs	15%	17%	18%
% Student with IEPs (less than 20% time)	7%	7%	9%
% Overage Under-credited	8%	6%	9%
% HRA Eligible	-	-	51%
% Temporary Housing	-	-	12%
% Asian	5%	4%	5%
% Black	80%	80%	80%
% Hispanic	14%	13%	13%
% White	1%	1%	1%
% Other	0%	1%	1%
Average Incoming ELA Proficiency	2.64	2.31	2.29
Average Incoming Math Proficiency	2.86	2.23	2.18

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

17K547  
Brooklyn Academy of Science and the Environment

Student Achievement Rating <b>Meeting Target</b>	Student Achievement Score <b>3.36</b>
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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	73	69.9%	60.8%	71.7%	79.1%	86.0%	97.0%	1.83	4.17%
○ Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	22	50.0%	35.3%	51.8%	63.0%	73.6%	90.9%	1.89	4.17%
Percent of Students Earning 10+ Credits in 2nd Year	96	71.9%	53.1%	65.1%	73.1%	80.6%	93.0%	2.85	4.17%
Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	27	63.0%	27.1%	44.7%	56.6%	67.8%	86.6%	3.57	4.17%
Percent of Students Earning 10+ Credits in 3rd Year	145	72.4%	51.6%	63.4%	71.0%	78.1%	90.3%	3.20	4.17%
Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	42	57.1%	26.8%	43.7%	54.8%	65.3%	83.4%	3.22	4.17%
<b>Regents Performance</b>									
Average Completion Rate for Remaining Regents	243	46.3%	28.8%	44.4%	53.5%	62.0%	78.1%	2.21	4.17%
○ Weighted Regents Pass Rate - ELA	57	0.68	0.58	0.78	0.91	1.04	1.24	1.50	4.17%
● Weighted Regents Pass Rate - Math	169	1.30	0.55	0.84	1.03	1.21	1.50	4.31	4.17%
Weighted Regents Pass Rate - Science	196	1.08	0.51	0.87	1.09	1.29	1.67	2.95	4.17%
Weighted Regents Pass Rate - Global History	139	0.78	0.40	0.64	0.79	0.94	1.18	2.93	4.17%
● Weighted Regents Pass Rate - U.S. History	141	1.11	0.50	0.74	0.90	1.05	1.30	4.24	4.17%
<b>Graduation / Diploma</b>									
4-Year Graduation Rate	142	74.6%	48.8%	61.1%	73.0%	81.5%	92.4%	3.19	6.25%
6-Year Graduation Rate	109	74.3%	59.3%	69.2%	79.3%	86.5%	95.4%	2.50	6.25%
● 4-Year Weighted Diploma Rate	142	233.1%	107.3%	145.6%	184.2%	211.6%	247.9%	4.59	6.25%
6-Year Weighted Diploma Rate	109	192.2%	111.5%	149.0%	188.4%	216.3%	251.6%	3.14	6.25%
<b>College and Career Readiness</b>									
College and Career Preparatory Course Index	142	35.2%	1.5%	15.6%	34.1%	49.2%	67.4%	3.07	5.00%
● 4-Year College Readiness Index	142	37.3%	1.2%	9.2%	19.5%	27.9%	38.7%	4.87	5.00%
6-Year College Readiness Index with Persistence	109	49.5%	22.3%	34.0%	45.8%	55.4%	70.4%	3.39	5.00%
Postsecondary Enrollment Rate - 6 Months	101	57.4%	25.5%	37.1%	49.7%	60.1%	74.9%	3.74	5.00%
Postsecondary Enrollment Rate - 18 Months	109	55.0%	37.0%	47.4%	58.9%	68.3%	81.5%	2.66	5.00%
<b>Weighted Average Score</b>								<b>3.17</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	15	10.6%	19.0%	213.3%	25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
● Self-Contained / ICT / SETSS	20	14.1%	35.8%	390.0%	0.0%	110.0%	197.0%	285.2%	420.0%	4.78	0.036	0.034
● Lowest Third Citywide	44	31.0%	46.5%	208.0%	0.0%	71.2%	127.5%	184.6%	271.8%	4.27	0.036	0.030
● Black / Hispanic Males in Lowest Third Citywide	26	18.3%	46.9%	219.2%	0.0%	65.3%	116.9%	169.2%	249.2%	4.63	0.036	0.033
<b>College and Career Readiness</b>												
Students in Lowest Third Citywide, College and Career Preparatory Course Index	44	31.0%	46.5%	15.9%	0.0%	7.3%	13.0%	18.9%	27.8%	3.49	0.036	0.022
● Students in Lowest Third Citywide, 4-Year College Readiness Index	44	31.0%	46.5%	9.1%	0.0%	1.4%	2.5%	3.7%	5.4%	4.99	0.036	0.036
● Students in the Lowest Third Citywide, Postsecondary Enrollment Rate - 6 Months	39	38.6%	63.5%	38.5%	0.0%	11.4%	20.4%	29.5%	43.4%	4.65	0.036	0.033
<b>CtAG Additional Points</b>											<b>0.19</b>	
<b>Overall Student Achievement Score</b>											<b>3.36</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	Proficient	3.40	22%
Quality Review 2.2	Proficient	3.40	22%
NYC School Survey - Rigorous Instruction	83%	2.88	34%
<b>Section Rating: Meeting Target</b>		<b>Section Score:</b>	<b>3.56</b>

<b>Collaborative Teachers</b>			
Quality Review 4.2	Proficient	3.40	50%
NYC School Survey - Collaborative Teachers	86%	3.44	50%
<b>Section Rating: Meeting Target</b>		<b>Section Score:</b>	<b>3.44</b>

<b>Supportive Environment</b>			
Quality Review 3.4	Proficient	3.40	30%
NYC School Survey - Supportive Environment	78%	2.40	35%
Percentage of students with 90%+ attendance			
EMS			
HS	76.4%	4.32	
Overall	76.4%	4.32	30%
Movement of students with disabilities to less restrictive environments			
EMS			
HS	0.84	4.50	
Overall	0.84	4.50	5%
<b>Section Rating: Meeting Target</b>		<b>Section Score:</b>	<b>3.40</b>

<b>Effective School Leadership</b>			
NYC School Survey - Effective School Leadership	84%	3.48	100%
<b>Section Rating: Meeting Target</b>		<b>Section Score:</b>	<b>3.48</b>

<b>Strong Family-Community Ties</b>			
NYC School Survey - Strong Family-Community Ties	76%	3.28	100%
<b>Section Rating: Meeting Target</b>		<b>Section Score:</b>	<b>3.28</b>

<b>Trust</b>			
NYC School Survey - Trust	91%	3.76	100%
<b>Section Rating: Meeting Target</b>		<b>Section Score:</b>	<b>3.76</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	86	76.8	89.4	100.0	0.41	2.64
Common Core shifts in math	Teachers	86	69.2	85.8	100.0	0.55	3.20
Course clarity	Students	86	77.5	86.9	96.3	0.46	2.84
Quality of student discussion	Teachers	75	55.8	77.8	99.8	0.44	2.76
<b>Section Results:</b>		<b>83%</b>					<b>2.88</b>
<b>Collaborative Teachers</b>							
Cultural awareness:							
Cultural awareness	Teachers	97	85.4	94.4	100.0	0.82	
Cultural awareness	Parents	96	82.3	91.9	100.0	0.76	
Cultural awareness	Students	75	66.6	80.6	94.6	0.29	
Cultural awareness	Combined	89				0.62	3.48
Inclusive classroom instruction	Teachers	93	82.7	93.1	100.0	0.61	3.44
Quality of professional development	Teachers	78	50.4	75.6	100.0	0.56	3.24
School commitment	Teachers	88	53.7	82.3	100.0	0.74	3.96
Innovation	Teachers	82	65.9	84.5	100.0	0.48	2.92
• Reflective dialogue	Teachers	96	85.1	95.3	100.0	0.75	4.00
Peer collaboration	Teachers	93	75.2	90.6	100.0	0.72	3.88
Focus on student learning	Teachers	86	60.0	85.2	100.0	0.65	3.60
Collective responsibility	Teachers	72	58.1	80.7	100.0	0.33	2.32
<b>Section Results:</b>		<b>86%</b>					<b>3.44</b>
<b>Supportive Environment</b>							
Safety:							
Safety	Teachers						
Safety	Students	71	67.5	82.9	98.3	0.11	
o Safety	Combined	71				0.11	1.44
Classroom behavior:							
Classroom behavior	Teachers						
Classroom behavior	Students	76	68.3	82.1	95.9	0.29	
Classroom behavior	Combined	76				0.29	2.16
Social-emotional measure	Teachers	93	86.6	95.2	100.0	0.50	3.00
Peer interactions	Students	71	58.2	74.4	90.6	0.40	2.60
Next-level guidance	Students	79	71.4	83.6	95.8	0.30	2.20
Press toward academic achievement:							
Press toward academic achievement	Teachers						
Press toward academic achievement	Students	84	76.3	86.1	95.9	0.39	
Press toward academic achievement	Combined	84				0.39	2.56
Personal attention and support	Students	80	69.0	81.8	94.6	0.43	2.72
Peer support for academic work:							
Peer support for academic work	Teachers						
Peer support for academic work	Parents	83	68.1	85.5	100.0	0.46	
Peer support for academic work	Students	54	41.0	61.6	82.2	0.31	
Peer support for academic work	Combined	68				0.39	2.56
<b>Section Results:</b>		<b>78%</b>					<b>2.40</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	93	76.5	88.9	100.0	0.69	3.76
Teacher influence	Teachers	77	40.6	71.4	100.0	0.62	3.48
Program coherence	Teachers	81	57.0	82.6	100.0	0.57	3.28
Principal instructional leadership	Teachers	83	58.2	84.6	100.0	0.59	3.36
<b>Section Results:</b>		84%					<b>3.48</b>
<b>Strong Family Community Ties</b>							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	91	75.2	89.0	100.0	0.65	
Teacher outreach to parents	Parents	91	76.7	88.1	99.5	0.63	
Teacher outreach to parents	Combined	91				0.64	3.56
Parent involvement in the schools	Parents	61	41.2	61.0	80.8	0.50	3.00
<b>Section Results:</b>		76%					<b>3.28</b>
<b>Trust</b>							
● Parent-teacher trust	Parents	98	84.9	93.1	100.0	0.88	4.52
○ Parent-principal trust	Parents	94	84.5	93.7	100.0	0.61	3.44
○ Student-teacher trust	Students	73	68.5	81.1	93.7	0.17	1.68
● Teacher-principal trust	Teachers	93	55.0	84.0	100.0	0.84	4.36
● Teacher-teacher trust	Teachers	98	75.7	90.9	100.0	0.93	4.72
<b>Section Results:</b>		91%					<b>3.76</b>

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

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Brooklyn Academy of Science and the Environment

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	69.9%	67.3% or lower	67.4% to 75.2%	75.3% to 80.8%	80.9% or higher
10+ Credits in 1st Year - School's Lowest Third	50.0%	50.6% or lower	50.7% to 61.7%	61.8% to 69.5%	69.6% or higher
10+ Credits in 2nd Year - All Students	71.9%	66.3% or lower	66.4% to 73.9%	74.0% to 79.2%	79.3% or higher
10+ Credits in 2nd Year - School's Lowest Third	63.0%	48.5% or lower	48.6% to 59.1%	59.2% to 66.6%	66.7% or higher
10+ Credits in 3rd Year - All Students	72.4%	62.1% or lower	62.2% to 69.7%	69.8% to 75.1%	75.2% or higher
10+ Credits in 3rd Year - School's Lowest Third	57.1%	47.5% or lower	47.6% to 58.1%	58.2% to 65.5%	65.6% or higher
<b>Regents Performance</b>					
Average Completion Rate for Remaining Regents	46.3%	38.1% or lower	38.2% to 45.0%	45.1% to 49.9%	50.0% or higher
Average Regents Score - English (non-Common Core)*	68.0	65.1 or lower	65.2 to 68.5	68.6 to 70.8	70.9 or higher
Average Regents Score - English (Common Core)*		69.9 or lower	70.0 to 73.7	73.8 to 76.3	76.4 or higher
Average Regents Score - Living Environment*	62.0	62.2 or lower	62.3 to 65.5	65.6 to 67.9	68.0 or higher
Average Regents Score - Global History*	62.0	58.4 or lower	58.5 to 61.9	62.0 to 64.9	65.0 or higher
Average Regents Score - US History*	74.0	65.2 or lower	65.3 to 69.2	69.3 to 72.0	72.1 or higher
Average Regents Score - Algebra I (Common Core)*	62.0	57.4 or lower	57.5 to 60.2	60.3 to 64.9	65.0 or higher
<b>Graduation / Non-Dropout</b>					
4-Year Graduation Rate	74.6%	63.4% or lower	63.5% to 70.6%	70.7% to 75.6%	75.7% or higher
6-Year Graduation Rate	74.3%	73.3% or lower	73.4% to 78.9%	79.0% to 82.8%	82.9% or higher
4-Year Non-Dropout Rate	88.7%	80.9% or lower	81.0% to 85.2%	85.3% to 88.2%	88.3% or higher
6-Year Non-Dropout Rate	78.9%	76.9% or lower	77.0% to 81.9%	82.0% to 85.4%	85.5% or higher
<b>College and Career Readiness</b>					
College and Career Preparatory Course Index	35.2%	28.0% or lower	28.1% to 41.0%	41.1% to 50.1%	50.2% or higher
4-Year College Readiness Index	37.3%	14.0% or lower	14.1% to 21.1%	21.2% to 26.1%	26.2% or higher
6-Year College Readiness Index with Persistence	49.5%	42.4% or lower	42.5% to 49.4%	49.5% to 54.2%	54.3% or higher
Postsecondary Enrollment Rate - 6 Months	57.4%	53.3% or lower	53.4% to 61.7%	61.8% to 67.6%	67.7% or higher
Postsecondary Enrollment Rate - 18 Months	55.0%	56.8% or lower	56.9% to 62.9%	63.0% to 67.2%	67.3% 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	66.7%	47.5% or lower	47.6% to 58.2%	58.3% to 65.8%	65.9% or higher
Self-Contained / ICT / SETSS	65.0%	33.5% or lower	33.6% to 45.0%	45.1% to 53.0%	53.1% or higher
<b>Lowest Third Citywide</b>					
Lowest Third Citywide	63.6%	40.9% or lower	41.0% to 51.9%	52.0% to 59.6%	59.7% or higher
Black / Hispanic Males in Lowest Third Citywide	61.5%	37.5% or lower	37.6% to 49.3%	49.4% to 57.6%	57.7% or higher
<b>College and Career Readiness of Students in Lowest Third Citywide</b>					
College and Career Preparatory Course Index	15.9%	15.9% or lower	16.0% to 23.9%	24.0% to 29.6%	29.7% or higher
4-Year College Readiness Index	9.1%	3.0% or lower	3.1% to 4.5%	4.6% to 5.6%	5.7% or higher
Postsecondary Enrollment Rate - 6 Months	38.5%	24.1% or lower	24.2% to 32.8%	32.9% to 39.0%	39.1% 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	76.4%	51.4% or lower	51.5% to 59.9%	60.0% to 69.9%	70.0% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.84	0.48 or lower	0.49 to 0.63	0.64 to 0.72	0.73 or higher