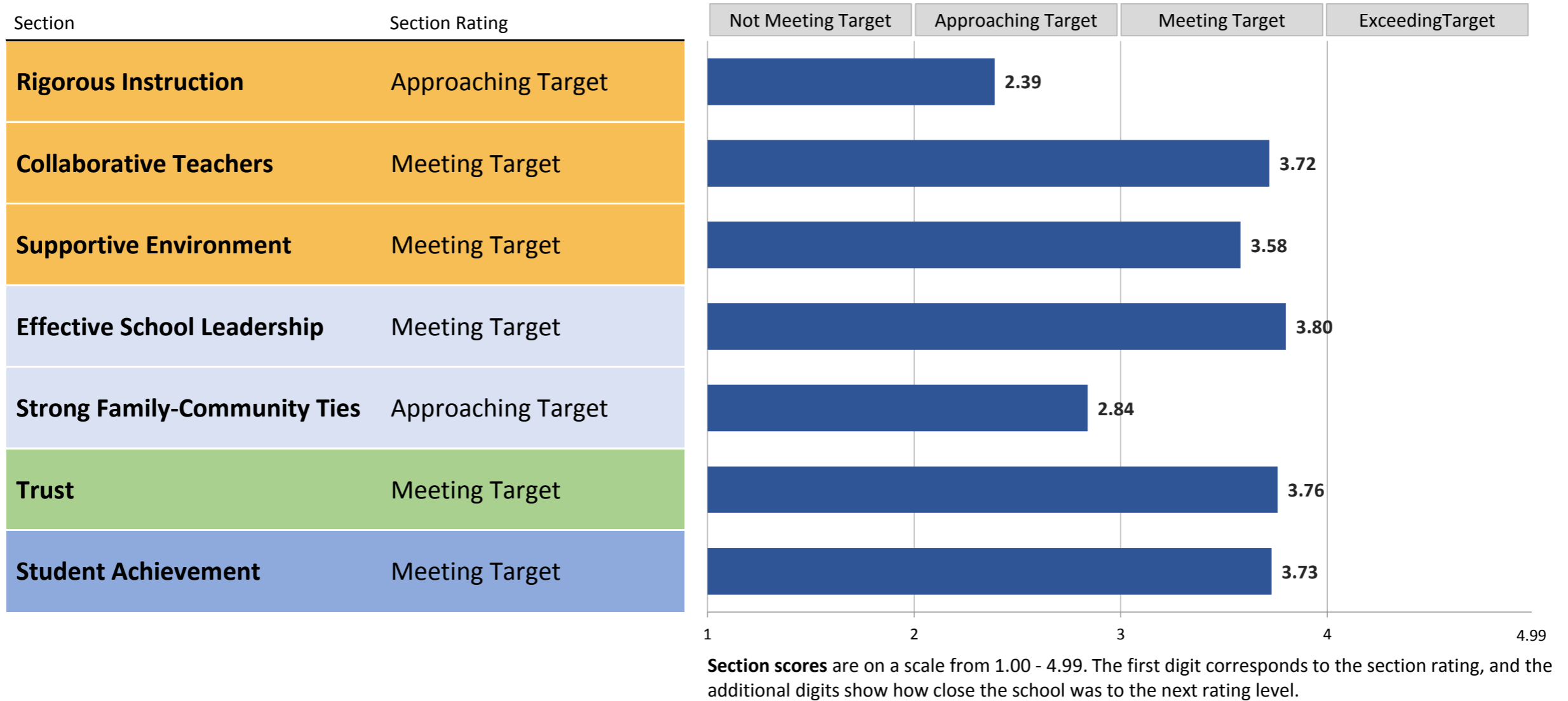


**Framework for Great Schools**

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.



**State Accountability Status: N/A**

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**

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Grade 9	118	124	133
Grade 10	136	115	110
Grade 11	103	107	91
Grade 12	61	104	98
<b>All students</b>	<b>418</b>	<b>450</b>	<b>432</b>

**Student Demographics**

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	15%	16%	17%
% Free Lunch Eligible	92%	88%	90%
% Student with IEPs	13%	17%	22%
% Student with IEPs (less than 20% time)	3%	3%	7%
% Overage Under-credited	12%	10%	8%
% HRA Eligible	-	-	61%
% Temporary Housing	-	-	6%
% Asian	0%	0%	0%
% Black	33%	35%	37%
% Hispanic	67%	65%	63%
% White	0%	0%	0%
% Other	0%	0%	0%
Average Incoming ELA Proficiency	2.60	2.26	2.25
Average Incoming Math Proficiency	2.82	2.21	2.21

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

84X395

NYC Charter High School for Architecture, Engineering and Construction Industries (AECI)

Student Achievement Rating <b>Meeting Target</b>	Student Achievement Score <b>3.73</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	115	85.2%	61.2%	72.2%	79.5%	86.5%	97.5%	3.81	4.17%
Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	36	63.9%	37.2%	53.9%	65.3%	76.0%	93.2%	2.88	4.17%
● Percent of Students Earning 10+ Credits in 2nd Year	108	91.7%	51.9%	64.6%	73.2%	81.3%	94.4%	4.79	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	33	90.9%	26.7%	45.4%	58.0%	70.0%	89.5%	4.99	4.17%
● Percent of Students Earning 10+ Credits in 3rd Year	88	84.1%	49.8%	63.1%	72.0%	80.5%	94.2%	4.26	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	27	74.1%	25.4%	44.4%	57.3%	69.4%	89.2%	4.24	4.17%
<b>Regents Performance</b>									
● Average Completion Rate for Remaining Regents	242	62.3%	26.1%	42.2%	52.0%	61.2%	78.2%	4.06	4.17%
● Weighted Regents Pass Rate - ELA	127	1.18	0.56	0.75	0.89	1.01	1.22	4.81	4.17%
● Weighted Regents Pass Rate - Math	168	1.01	0.47	0.79	1.00	1.21	1.53	3.05	4.17%
○ Weighted Regents Pass Rate - Science	173	0.80	0.46	0.81	1.03	1.23	1.61	1.97	4.17%
● Weighted Regents Pass Rate - Global History	216	1.01	0.32	0.59	0.77	0.94	1.22	4.25	4.17%
○ Weighted Regents Pass Rate - U.S. History	229	0.65	0.49	0.72	0.87	1.01	1.26	1.70	4.17%
<b>Graduation / Diploma</b>									
● 4-Year Graduation Rate	95	87.4%	46.8%	60.0%	73.5%	83.0%	94.9%	4.37	6.25%
● 6-Year Graduation Rate	61	80.3%	58.4%	68.8%	79.7%	87.5%	96.9%	3.08	6.25%
● 4-Year Weighted Diploma Rate	95	223.7%	101.1%	141.5%	183.8%	213.7%	252.1%	4.26	6.25%
● 6-Year Weighted Diploma Rate	61	193.4%	107.2%	145.5%	186.4%	215.3%	251.6%	3.24	6.25%
<b>College and Career Readiness</b>									
College and Career Preparatory Course Index	95	30.5%	0.0%	13.6%	31.3%	45.8%	63.7%	2.95	5.00%
4-Year College Readiness Index	95	22.1%	0.6%	8.0%	17.5%	25.4%	35.8%	3.58	5.00%
6-Year College Readiness Index with Persistence	61	37.7%	19.6%	31.7%	44.9%	55.7%	71.4%	2.45	5.00%
Postsecondary Enrollment Rate - 6 Months	107	49.5%	22.5%	35.0%	49.9%	62.0%	78.1%	2.97	5.00%
Postsecondary Enrollment Rate - 18 Months	61	52.5%	36.2%	47.2%	59.9%	70.2%	84.0%	2.42	5.00%
<b>Weighted Average Score</b>								<b>3.52</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	15.8%	28.4%	260.0%	25.9%	103.0%	163.9%	225.7%	320.1%	4.36	0.036	0.030
● Self-Contained / ICT / SETSS	17	17.9%	45.4%	294.1%	0.0%	110.0%	197.0%	285.2%	420.0%	4.07	0.036	0.028
● Lowest Third Citywide	43	45.3%	68.0%	236.0%	0.0%	71.2%	127.5%	184.6%	271.8%	4.59	0.036	0.032
● Black / Hispanic Males in Lowest Third Citywide	29	30.5%	78.2%	219.0%	0.0%	65.3%	116.9%	169.2%	249.2%	4.62	0.036	0.033
<b>College and Career Readiness</b>												
● Students in Lowest Third Citywide, College and Career Preparatory Course Index	43	45.3%	68.0%	18.6%	0.0%	7.3%	13.0%	18.9%	27.8%	3.95	0.036	0.027
● Students in Lowest Third Citywide, 4-Year College Readiness Index	43	45.3%	68.0%	7.0%	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	46	43.0%	70.7%	30.4%	0.0%	11.4%	20.4%	29.5%	43.4%	4.06	0.036	0.028
<b>CtAG Additional Points</b>											<b>0.21</b>	
<b>Overall Student Achievement Score</b>											<b>3.73</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			
Quality Review 1.2			
Quality Review 2.2			
NYC School Survey - Rigorous Instruction	76%	1.96	100%
<b>Section Rating: Approaching Target</b>	<b>Section Score:*</b>	<b>2.39</b>	

<b>Collaborative Teachers</b>			
Quality Review 4.2			
NYC School Survey - Collaborative Teachers	88%	3.56	100%
<b>Section Rating: Meeting Target</b>	<b>Section Score:*</b>	<b>3.72</b>	

<b>Supportive Environment</b>			
Quality Review 3.4			
NYC School Survey - Supportive Environment	81%	2.84	65%
Percentage of students with 90%+ attendance			
EMS			
HS	77.4%	4.24	
Overall	77.4%	4.24	30%
Movement of students with disabilities to less restrictive environments			
EMS			
HS	0.55	3.37	
Overall	0.55	3.37	5%
<b>Section Rating: Meeting Target</b>	<b>Section Score:*</b>	<b>3.58</b>	

<b>Effective School Leadership</b>			
NYC School Survey - Effective School Leadership	88%	3.80	100%
<b>Section Rating: Meeting Target</b>	<b>Section Score:</b>	<b>3.80</b>	

<b>Strong Family-Community Ties</b>			
NYC School Survey - Strong Family-Community Ties	73%	2.84	100%
<b>Section Rating: Approaching Target</b>	<b>Section Score:</b>	<b>2.84</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>	

\* These scores have been rescaled so that schools without Quality Review ratings are measured on a comparable scale to schools with Quality Review ratings.

		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	80	76.8	89.4	100.0	0.14	1.56
	Common Core shifts in math	Teachers	78	69.2	85.8	100.0	0.29	2.16
	Course clarity	Students	84	77.5	86.9	96.3	0.37	2.48
○	Quality of student discussion	Teachers	63	55.8	77.8	99.8	0.16	1.64
<b>Section Results:</b>			<b>76%</b>					<b>1.96</b>
<b>Collaborative Teachers</b>								
Cultural awareness:								
	Cultural awareness	Teachers	92	85.4	94.4	100.0	0.50	
	Cultural awareness	Parents	92	82.3	91.9	100.0	0.56	
	Cultural awareness	Students	77	66.6	80.6	94.6	0.39	
	Cultural awareness	Combined	87				0.48	2.92
	Inclusive classroom instruction	Teachers	88	82.7	93.1	100.0	0.28	2.12
	Quality of professional development	Teachers	73	50.4	75.6	100.0	0.46	2.84
	School commitment	Teachers	86	53.7	82.3	100.0	0.69	3.76
	Innovation	Teachers	90	65.9	84.5	100.0	0.70	3.80
●	Reflective dialogue	Teachers	100	85.1	95.3	100.0	1.00	4.99
●	Peer collaboration	Teachers	95	75.2	90.6	100.0	0.81	4.24
	Focus on student learning	Teachers	87	60.0	85.2	100.0	0.69	3.76
	Collective responsibility	Teachers	87	58.1	80.7	100.0	0.69	3.76
<b>Section Results:</b>			<b>88%</b>					<b>3.56</b>
<b>Supportive Environment</b>								
Safety:								
	Safety	Teachers						
	Safety	Students	80	67.5	82.9	98.3	0.42	
	Safety	Combined	80				0.42	2.68
Classroom behavior:								
	Classroom behavior	Teachers						
	Classroom behavior	Students	77	68.3	82.1	95.9	0.32	
	Classroom behavior	Combined	77				0.32	2.28
●	Social-emotional measure	Teachers	98	86.6	95.2	100.0	0.81	4.24
	Peer interactions	Students	75	58.2	74.4	90.6	0.51	3.04
	Next-level guidance	Students	78	71.4	83.6	95.8	0.26	2.04
Press toward academic achievement:								
	Press toward academic achievement	Teachers						
	Press toward academic achievement	Students	81	76.3	86.1	95.9	0.23	
○	Press toward academic achievement	Combined	81				0.23	1.92
	Personal attention and support	Students	82	69.0	81.8	94.6	0.50	3.00
Peer support for academic work:								
	Peer support for academic work	Teachers						
	Peer support for academic work	Parents	87	68.1	85.5	100.0	0.59	
	Peer support for academic work	Students	65	41.0	61.6	82.2	0.58	
	Peer support for academic work	Combined	76				0.59	3.36
<b>Section Results:</b>			<b>81%</b>					<b>2.84</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	90	76.5	88.9	100.0	0.59	3.36
Teacher influence	Teachers	78	40.6	71.4	100.0	0.63	3.52
Program coherence	Teachers	89	57.0	82.6	100.0	0.74	3.96
• Principal instructional leadership	Teachers	93	58.2	84.6	100.0	0.84	4.36
<b>Section Results:</b>		<b>88%</b>					<b>3.80</b>
<b>Strong Family Community Ties</b>							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	87	75.2	89.0	100.0	0.48	
Teacher outreach to parents	Parents	88	76.7	88.1	99.5	0.49	
Teacher outreach to parents	Combined	88				0.49	2.96
Parent involvement in the schools	Parents	58	41.2	61.0	80.8	0.43	2.72
<b>Section Results:</b>		<b>73%</b>					<b>2.84</b>
<b>Trust</b>							
• Parent-teacher trust	Parents	95	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	82	68.5	81.1	93.7	0.52	3.08
• Teacher-principal trust	Teachers	93	55.0	84.0	100.0	0.84	4.36
Teacher-teacher trust	Teachers	90	75.7	90.9	100.0	0.58	3.32
<b>Section Results:</b>		<b>91%</b>					<b>3.76</b>



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

84X395

NYC Charter High School for Architecture, Engineer

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	85.2%	69.7% or lower	69.8% to 77.7%	77.8% to 83.3%	83.4% or higher
10+ Credits in 1st Year - School's Lowest Third	63.9%	54.5% or lower	54.6% to 65.6%	65.7% to 73.4%	73.5% or higher
10+ Credits in 2nd Year - All Students	91.7%	66.2% or lower	66.3% to 73.8%	73.9% to 79.1%	79.2% or higher
10+ Credits in 2nd Year - School's Lowest Third	90.9%	50.9% or lower	51.0% to 61.6%	61.7% to 69.1%	69.2% or higher
10+ Credits in 3rd Year - All Students	84.1%	67.3% or lower	67.4% to 75.0%	75.1% to 80.4%	80.5% or higher
10+ Credits in 3rd Year - School's Lowest Third	74.1%	51.8% or lower	51.9% to 62.3%	62.4% to 69.7%	69.8% or higher
<b>Regents Performance</b>					
Average Completion Rate for Remaining Regents	62.3%	42.3% or lower	42.4% to 49.2%	49.3% to 54.1%	54.2% or higher
Average Regents Score - English (non-Common Core)*	83.0	66.9 or lower	67.0 to 70.2	70.3 to 72.5	72.6 or higher
Average Regents Score - English (Common Core)*		70.3 or lower	70.4 to 74.1	74.2 to 76.8	76.9 or higher
Average Regents Score - Living Environment*	61.0	62.7 or lower	62.8 to 66.0	66.1 to 68.3	68.4 or higher
Average Regents Score - Global History*	69.0	58.5 or lower	58.6 to 62.1	62.2 to 64.9	65.0 or higher
Average Regents Score - US History*	62.0	67.1 or lower	67.2 to 71.1	71.2 to 73.9	74.0 or higher
Average Regents Score - Algebra I (Common Core)*	64.0	58.7 or lower	58.8 to 61.5	61.6 to 64.9	65.0 or higher
<b>Graduation / Non-Dropout</b>					
4-Year Graduation Rate	87.4%	67.6% or lower	67.7% to 74.7%	74.8% to 79.7%	79.8% or higher
6-Year Graduation Rate	80.3%	72.8% or lower	72.9% to 78.4%	78.5% to 82.3%	82.4% or higher
4-Year Non-Dropout Rate	95.8%	82.8% or lower	82.9% to 87.1%	87.2% to 90.1%	90.2% or higher
6-Year Non-Dropout Rate	85.2%	75.7% or lower	75.8% to 80.6%	80.7% to 84.1%	84.2% or higher
<b>College and Career Readiness</b>					
College and Career Preparatory Course Index	30.5%	31.7% or lower	31.8% to 44.7%	44.8% to 53.8%	53.9% or higher
4-Year College Readiness Index	22.1%	19.1% or lower	19.2% to 27.3%	27.4% to 33.1%	33.2% or higher
6-Year College Readiness Index with Persistence	37.7%	40.0% or lower	40.1% to 46.9%	47.0% to 51.8%	51.9% or higher
Postsecondary Enrollment Rate - 6 Months	49.5%	53.6% or lower	53.7% to 62.0%	62.1% to 67.9%	68.0% or higher
Postsecondary Enrollment Rate - 18 Months	52.5%	56.2% or lower	56.3% to 62.3%	62.4% to 66.6%	66.7% 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	80.0%	53.6% or lower	53.7% to 64.4%	64.5% to 71.9%	72.0% or higher
Self-Contained / ICT / SETSS	82.4%	54.4% or lower	54.5% to 65.8%	65.9% to 73.9%	74.0% or higher
<b>Lowest Third Citywide</b>					
Lowest Third Citywide	81.4%	48.6% or lower	48.7% to 59.6%	59.7% to 67.3%	67.4% or higher
Black / Hispanic Males in Lowest Third Citywide	79.3%	42.4% or lower	42.5% to 54.3%	54.4% to 62.6%	62.7% or higher
<b>College and Career Readiness of Students in Lowest Third Citywide</b>					
College and Career Preparatory Course Index	18.6%	18.4% or lower	18.5% to 27.8%	27.9% to 34.3%	34.4% or higher
4-Year College Readiness Index	7.0%	3.6% or lower	3.7% to 5.5%	5.6% to 6.8%	6.9% or higher
Postsecondary Enrollment Rate - 6 Months	30.4%	27.2% or lower	27.3% to 35.9%	36.0% to 42.0%	42.1% 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	77.4%	53.4% or lower	53.5% to 60.7%	60.8% to 69.9%	70.0% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.55	0.37 or lower	0.38 to 0.54	0.55 to 0.66	0.67 or higher