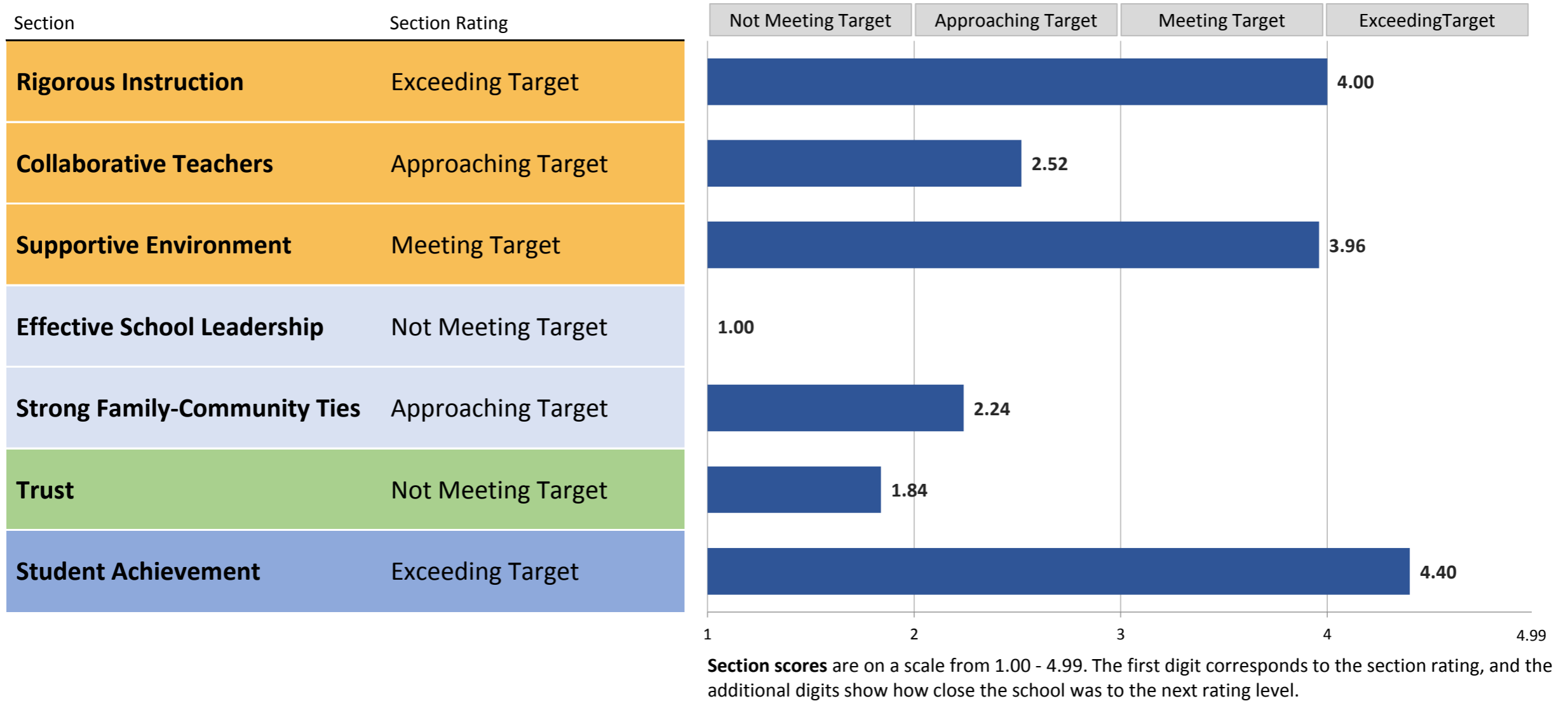


Framework for Great Schools

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: 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

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Grade 9	193	179	121
Grade 10	122	196	189
Grade 11	115	123	194
Grade 12	140	112	119
All students	570	610	623

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	0%	0%	0%
% Free Lunch Eligible	22%	22%	20%
% Student with IEPs	4%	7%	6%
% Student with IEPs (less than 20% time)	0%	1%	0%
% Overage Under-credited	0%	0%	0%
% HRA Eligible	-	6%	26%
% Temporary Housing	-	1%	3%
% Asian	35%	37%	39%
% Black	15%	12%	13%
% Hispanic	20%	18%	18%
% White	28%	29%	29%
% Other	0%	4%	2%
Average Incoming ELA Proficiency	3.38	3.48	3.50
Average Incoming Math Proficiency	3.90	3.49	3.53

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

01M539

New Explorations into Science, Technology and Math High School

Student Achievement Rating	Student Achievement Score
Exceeding Target	4.40

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	120	97.5%	79.6%	89.4%	92.5%	95.4%	100.0%	4.46	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	34	91.2%	62.2%	77.5%	84.1%	90.3%	100.0%	4.09	4.17%
● Percent of Students Earning 10+ Credits in 2nd Year	184	98.4%	74.3%	85.9%	90.0%	93.9%	100.0%	4.74	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	55	94.5%	55.4%	72.7%	80.7%	88.2%	100.0%	4.53	4.17%
● Percent of Students Earning 10+ Credits in 3rd Year	190	98.4%	66.8%	79.2%	85.3%	91.0%	100.0%	4.82	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	53	96.2%	52.5%	70.2%	78.9%	87.0%	99.7%	4.72	4.17%
Regents Performance									
● Average Completion Rate for Remaining Regents	242	96.4%	61.1%	80.2%	85.9%	91.2%	98.9%	4.68	4.17%
● Weighted Regents Pass Rate - ELA	263	1.35	0.66	0.93	1.12	1.29	1.57	4.21	4.17%
● Weighted Regents Pass Rate - Math	426	1.36	0.90	1.16	1.27	1.38	1.56	3.82	4.17%
● Weighted Regents Pass Rate - Science	409	1.52	0.24	1.05	1.63	2.17	3.19	3.00	4.17%
● Weighted Regents Pass Rate - Global History	185	1.35	0.67	0.91	1.05	1.18	1.38	4.85	4.17%
● Weighted Regents Pass Rate - U.S. History	174	1.75	0.69	0.95	1.12	1.28	1.52	4.99	4.17%
Graduation / Diploma									
● 4-Year Graduation Rate	122	97.5%	76.4%	90.2%	94.0%	96.7%	100.0%	4.24	6.25%
● 6-Year Graduation Rate	137	97.8%	81.9%	92.5%	95.4%	97.5%	100.0%	4.12	6.25%
● 4-Year Weighted Diploma Rate	122	293.9%	166.7%	210.4%	246.7%	272.4%	300.8%	4.76	6.25%
● 6-Year Weighted Diploma Rate	137	275.9%	166.4%	207.3%	244.2%	270.3%	299.2%	4.19	6.25%
College and Career Readiness									
● College and Career Preparatory Course Index	122	99.2%	41.7%	57.1%	71.0%	82.4%	93.8%	4.99	5.00%
● 4-Year College Readiness Index	122	96.7%	28.9%	39.3%	55.5%	68.7%	87.0%	4.99	5.00%
● 6-Year College Readiness Index with Persistence	137	97.1%	53.2%	70.1%	80.5%	89.0%	97.7%	4.93	5.00%
● Postsecondary Enrollment Rate - 6 Months	113	82.3%	53.9%	69.4%	80.0%	88.8%	98.1%	3.26	5.00%
● Postsecondary Enrollment Rate - 18 Months	137	92.7%	62.8%	76.3%	84.7%	91.5%	99.1%	4.16	5.00%
								Weighted Average Score	4.40

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	1	0.8%	1.4%		25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
Self-Contained / ICT / SETSS	3	2.5%	6.3%		0.0%	110.0%	197.0%	285.2%	420.0%		0.036	0.000
Lowest Third Citywide	2	1.6%	2.4%		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	2	1.6%	2.4%		0.0%	7.3%	13.0%	18.9%	27.8%		0.036	0.000
Students in Lowest Third Citywide, 4-Year College Readiness Index	2	1.6%	2.4%		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	1	0.9%	1.5%		0.0%	11.4%	20.4%	29.5%	43.4%		0.036	0.000
											CtAG Additional Points	0.00
											Overall Student Achievement Score	4.40

- 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	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	81%	2.00	34%
Section Rating: Exceeding Target	Section Score:	4.00	

Collaborative Teachers			
Quality Review 4.2	Proficient	3.40	50%
NYC School Survey - Collaborative Teachers	73%	1.64	50%
Section Rating: Approaching Target	Section Score:	2.52	

Supportive Environment			
Quality Review 3.4	Well Developed	4.99	30%
NYC School Survey - Supportive Environment	85%	3.32	35%
Percentage of students with 90%+ attendance			
EMS	96.8%	4.40	
HS	87.0%	3.28	
Overall	91.9%	3.84	30%
Movement of students with disabilities to less restrictive environments			
EMS	0.28	2.73	
HS	0.37	2.50	
Overall	0.33	2.62	5%
Section Rating: Meeting Target	Section Score:	3.96	

Effective School Leadership			
NYC School Survey - Effective School Leadership	55%	1.00	100%
Section Rating: Not Meeting Target	Section Score:	1.00	

Strong Family-Community Ties			
NYC School Survey - Strong Family-Community Ties	81%	2.24	100%
Section Rating: Approaching Target	Section Score:	2.24	

Trust			
NYC School Survey - Trust	74%	1.84	100%
Section Rating: Not Meeting Target	Section Score:	1.84	

		Survey % Positive	City Range			Percent of Range	Score	
			Bottom of Range	City Avg	Top of Range			
Rigorous Instruction								
○	Common Core shifts in literacy	Teachers	79	79.5	91.3	100.0	0.00	1.00
	Common Core shifts in math	Teachers	83	77.5	89.7	100.0	0.26	2.04
	Course clarity	Students	84	79.8	87.2	94.6	0.28	2.12
	Quality of student discussion	Teachers	78	61.4	80.0	98.6	0.44	2.76
Section Results:			81%					2.00
Collaborative Teachers								
Cultural awareness:								
	Cultural awareness	Teachers	90	80.9	90.5	100.0	0.50	
	Cultural awareness	Parents	92	91.0	94.4	97.8	0.50	
	Cultural awareness	Students	73	67.5	79.9	92.3	0.22	
	Cultural awareness	Combined	85				0.41	2.64
	Inclusive classroom instruction	Teachers	89	76.8	87.8	98.8	0.56	3.24
○	Quality of professional development	Teachers	44	55.7	79.1	100.0	0.00	1.00
○	School commitment	Teachers	72	67.4	84.0	100.0	0.13	1.52
○	Innovation	Teachers	61	71.7	87.3	100.0	0.00	1.00
	Reflective dialogue	Teachers	89	89.7	96.7	100.0	0.25	2.00
○	Peer collaboration	Teachers	72	78.3	90.7	100.0	0.00	1.00
○	Focus on student learning	Teachers	75	72.7	87.7	100.0	0.10	1.40
○	Collective responsibility	Teachers	66	70.3	86.9	100.0	0.00	1.00
Section Results:			73%					1.64
Supportive Environment								
Safety:								
	Safety	Teachers						
	Safety	Students	88	73.6	84.0	94.4	0.71	
	Safety	Combined	88				0.71	3.84
Classroom behavior:								
	Classroom behavior	Teachers						
	Classroom behavior	Students	88	64.1	80.1	96.1	0.74	
	Classroom behavior	Combined	88				0.74	3.96
	Social-emotional measure	Teachers	92	86.1	94.3	100.0	0.50	3.00
	Peer interactions	Students	81	65.8	78.2	90.6	0.63	3.52
	Next-level guidance	Students	80	71.2	81.0	90.8	0.45	2.80
Press toward academic achievement:								
	Press toward academic achievement	Teachers						
	Press toward academic achievement	Students	89	80.7	88.7	96.7	0.53	
	Press toward academic achievement	Combined	89				0.53	3.12
	Personal attention and support	Students	77	70.3	81.5	92.7	0.29	2.16
Peer support for academic work:								
	Peer support for academic work	Teachers						
	Peer support for academic work	Parents	97	87.6	93.6	99.6	0.78	
	Peer support for academic work	Students	69	46.0	62.0	78.0	0.73	
●	Peer support for academic work	Combined	83				0.76	4.04
Section Results:			85%					3.32

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
○ Inclusive principal leadership	Parents	70	79.9	90.9	100.0	0.00	1.00
○ Teacher influence	Teachers	44	44.0	69.6	95.2	0.01	1.04
○ Program coherence	Teachers	61	61.6	84.2	100.0	0.00	1.00
○ Principal instructional leadership	Teachers	45	60.7	86.5	100.0	0.00	1.00
Section Results:		55%					1.00
Strong Family Community Ties							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	91	84.2	93.2	100.0	0.50	
Teacher outreach to parents	Parents	84	85.6	92.2	98.8	0.00	
Teacher outreach to parents	Combined	87				0.25	2.00
Parent involvement in the schools	Parents	74	65.5	77.1	88.7	0.37	2.48
Section Results:		81%					2.24
Trust							
Parent-teacher trust	Parents	91	91.7	95.3	98.9	0.50	3.00
○ Parent-principal trust	Parents	75	84.0	93.4	100.0	0.00	1.00
Student-teacher trust	Students	78	61.6	77.4	93.2	0.53	3.12
○ Teacher-principal trust	Teachers	46	66.7	88.7	100.0	0.00	1.00
○ Teacher-teacher trust	Teachers	81	83.8	92.6	100.0	0.00	1.00
Section Results:		74%					1.84

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	2015-16 Targets			
	School Value	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Credit Accumulation					
10+ Credits in 1st Year - All Students	97.5%	81.5% or lower	81.6% to 86.7%	86.8% to 90.3%	90.4% or higher
10+ Credits in 1st Year - School's Lowest Third	91.2%	73.2% or lower	73.3% to 80.6%	80.7% to 85.9%	86.0% or higher
10+ Credits in 2nd Year - All Students	98.4%	83.8% or lower	83.9% to 88.3%	88.4% to 91.4%	91.5% or higher
10+ Credits in 2nd Year - School's Lowest Third	94.5%	76.5% or lower	76.6% to 83.0%	83.1% to 87.6%	87.7% or higher
10+ Credits in 3rd Year - All Students	98.4%	82.4% or lower	82.5% to 87.3%	87.4% to 90.7%	90.8% or higher
10+ Credits in 3rd Year - School's Lowest Third	96.2%	76.5% or lower	76.6% to 83.0%	83.1% to 87.6%	87.7% or higher
Regents Performance					
Average Completion Rate for Remaining Regents	96.4%	81.4% or lower	81.5% to 86.6%	86.7% to 90.2%	90.3% or higher
Average Regents Score - English (non-Common Core)*	89.0	79.9 or lower	80.0 to 84.9	85.0 to 89.5	89.6 or higher
Average Regents Score - English (Common Core)*	96.0	79.9 or lower	80.0 to 84.9	85.0 to 89.9	90.0 or higher
Average Regents Score - Living Environment*	88.0	79.9 or lower	80.0 to 84.9	85.0 to 87.5	87.6 or higher
Average Regents Score - Global History*	87.0	79.9 or lower	80.0 to 84.9	85.0 to 88.9	89.0 or higher
Average Regents Score - US History*	91.0	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)*	73.0	69.0 or lower	69.1 to 71.7	71.8 to 73.7	73.8 or higher
Graduation / Non-Dropout					
4-Year Graduation Rate	97.5%	85.4% or lower	85.5% to 89.5%	89.6% to 92.3%	92.4% or higher
6-Year Graduation Rate	97.8%	88.5% or lower	88.6% to 91.7%	91.8% to 93.9%	94.0% or higher
4-Year Non-Dropout Rate	99.2%	91.3% or lower	91.4% to 93.7%	93.8% to 95.4%	95.5% or higher
6-Year Non-Dropout Rate	97.8%	90.0% or lower	90.1% to 92.8%	92.9% to 94.7%	94.8% or higher
College and Career Readiness					
College and Career Preparatory Course Index	99.2%	70.3% or lower	70.4% to 78.1%	78.2% to 83.6%	83.7% or higher
4-Year College Readiness Index	96.7%	74.8% or lower	74.9% to 80.6%	80.7% to 84.7%	84.8% or higher
6-Year College Readiness Index with Persistence	97.1%	83.3% or lower	83.4% to 87.9%	88.0% to 91.0%	91.1% or higher
Postsecondary Enrollment Rate - 6 Months	82.3%	79.8% or lower	79.9% to 85.3%	85.4% to 89.2%	89.3% or higher
Postsecondary Enrollment Rate - 18 Months	92.7%	84.4% or lower	84.5% to 88.7%	88.8% to 91.7%	91.8% 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	2015-16 Targets			
	School Value	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Four-Year Graduation Rate					
English Language Learners		77.8% or lower	77.9% to 84.0%	84.1% to 88.3%	88.4% or higher
Self-Contained / ICT / SETSS		72.5% or lower	72.6% to 80.1%	80.2% to 85.4%	85.5% or higher
Lowest Third Citywide					
Black / Hispanic Males in Lowest Third Citywide					
College and Career Readiness of Students in Lowest Third Citywide					
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	2015-16 Targets			
	School Value	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Percentage of Students with 90%+ Attendance	87.0%	79.8% or lower	79.9% to 85.4%	85.5% to 89.3%	89.4% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.37	0.32 or lower	0.33 to 0.48	0.49 to 0.60	0.61 or higher