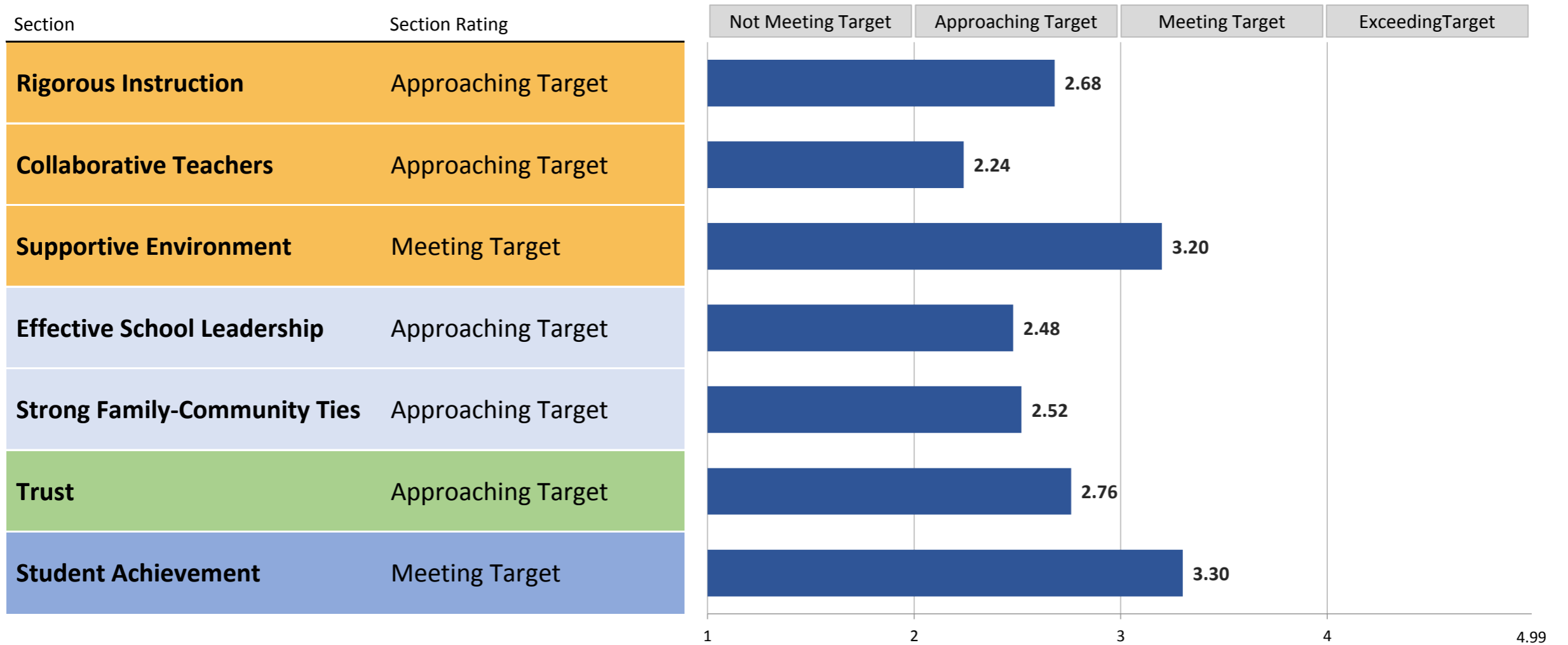


Framework for Great Schools

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

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Grade 9	118	94	128
Grade 10	100	110	94
Grade 11	102	96	108
Grade 12	122	116	103
All students	442	416	433

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	5%	6%	6%
% Free Lunch Eligible	59%	59%	70%
% Student with IEPs	13%	12%	14%
% Student with IEPs (less than 20% time)	9%	7%	7%
% Overage Under-credited	12%	12%	13%
% HRA Eligible	-	-	38%
% Temporary Housing	-	-	7%
% Asian	8%	8%	10%
% Black	77%	77%	72%
% Hispanic	12%	11%	12%
% White	2%	2%	2%
% Other	0%	2%	4%
Average Incoming ELA Proficiency	2.71	2.35	2.34
Average Incoming Math Proficiency	2.96	2.28	2.29

Student Achievement Rating Meeting Target	Student Achievement Score 3.30
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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			
Credit Accumulation									
● Percent of Students Earning 10+ Credits in 1st Year	116	87.9%	59.8%	70.8%	78.3%	85.3%	96.5%	4.23	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	34	79.4%	34.3%	50.8%	62.1%	72.8%	90.2%	4.38	4.17%
● Percent of Students Earning 10+ Credits in 2nd Year	86	82.6%	50.9%	63.3%	71.7%	79.7%	92.7%	4.22	4.17%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	20	75.0%	25.8%	42.9%	54.4%	65.3%	84.0%	4.52	4.17%
Percent of Students Earning 10+ Credits in 3rd Year	114	75.4%	50.1%	62.5%	70.6%	78.3%	91.2%	3.62	4.17%
Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	29	55.2%	25.0%	42.4%	54.1%	65.1%	83.9%	3.10	4.17%
Regents Performance									
Average Completion Rate for Remaining Regents	263	46.1%	24.9%	41.5%	51.8%	61.5%	78.9%	2.45	4.17%
● Weighted Regents Pass Rate - ELA	117	1.11	0.58	0.77	0.89	1.01	1.21	4.50	4.17%
Weighted Regents Pass Rate - Math	161	0.97	0.59	0.88	1.06	1.23	1.52	2.50	4.17%
Weighted Regents Pass Rate - Science	238	0.91	0.48	0.86	1.10	1.32	1.71	2.21	4.17%
○ Weighted Regents Pass Rate - Global History	162	0.52	0.40	0.64	0.80	0.95	1.20	1.50	4.17%
Weighted Regents Pass Rate - U.S. History	141	0.96	0.50	0.73	0.89	1.03	1.27	3.50	4.17%
Graduation / Diploma									
4-Year Graduation Rate	91	64.8%	43.7%	57.2%	71.4%	81.5%	93.9%	2.54	6.25%
6-Year Graduation Rate	111	81.1%	55.5%	66.1%	77.5%	85.6%	95.5%	3.44	6.25%
4-Year Weighted Diploma Rate	91	162.6%	96.5%	137.0%	179.9%	210.3%	249.4%	2.60	6.25%
6-Year Weighted Diploma Rate	111	197.7%	103.4%	141.8%	183.0%	212.2%	248.9%	3.50	6.25%
College and Career Readiness									
College and Career Preparatory Course Index	91	23.1%	3.4%	17.4%	35.7%	50.6%	68.5%	2.31	5.00%
4-Year College Readiness Index	91	12.1%	0.5%	9.1%	20.5%	29.7%	41.1%	2.26	5.00%
6-Year College Readiness Index with Persistence	111	49.5%	20.1%	31.9%	44.4%	54.5%	70.0%	3.50	5.00%
Postsecondary Enrollment Rate - 6 Months	93	48.4%	23.4%	35.1%	48.4%	59.3%	74.6%	3.00	5.00%
Postsecondary Enrollment Rate - 18 Months	111	62.2%	34.9%	45.4%	57.5%	67.4%	81.1%	3.47	5.00%
Weighted Average Score								3.18	

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	7	7.7%	13.8%	200.0%	25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
Self-Contained / ICT / SETSS	10	11.0%	27.9%	200.0%	0.0%	110.0%	197.0%	285.2%	420.0%	3.03	0.036	0.018
Lowest Third Citywide	33	36.3%	54.5%	124.2%	0.0%	71.2%	127.5%	184.6%	271.8%	2.94	0.036	0.018
Black / Hispanic Males in Lowest Third Citywide	23	25.3%	64.9%	130.4%	0.0%	65.3%	116.9%	169.2%	249.2%	3.26	0.036	0.020
College and Career Readiness												
Students in Lowest Third Citywide, College and Career Preparatory Course Index	33	36.3%	54.5%	9.1%	0.0%	7.3%	13.0%	18.9%	27.8%	2.32	0.036	0.012
● Students in Lowest Third Citywide, 4-Year College Readiness Index	33	36.3%	54.5%	6.1%	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	31	33.3%	54.8%	16.1%	0.0%	11.4%	20.4%	29.5%	43.4%	2.52	0.036	0.014
CtAG Additional Points											0.12	
Overall Student Achievement Score											3.30	

- 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	Proficient	3.40	22%
Quality Review 1.2	Developing	2.00	22%
Quality Review 2.2	Proficient	3.40	22%
NYC School Survey - Rigorous Instruction	78%	2.20	34%
Section Rating: Approaching Target	Section Score:	2.68	

Collaborative Teachers			
Quality Review 4.2	Developing	2.00	50%
NYC School Survey - Collaborative Teachers	79%	2.48	50%
Section Rating: Approaching Target	Section Score:	2.24	

Supportive Environment			
Quality Review 3.4	Proficient	3.40	30%
NYC School Survey - Supportive Environment	78%	2.48	35%
Percentage of students with 90%+ attendance			
EMS			
HS	69.5%	3.68	
Overall	69.5%	3.68	30%
Movement of students with disabilities to less restrictive environments			
EMS			
HS	0.83	4.47	
Overall	0.83	4.47	5%
Section Rating: Meeting Target	Section Score:	3.20	

Effective School Leadership			
NYC School Survey - Effective School Leadership	74%	2.48	100%
Section Rating: Approaching Target	Section Score:	2.48	

Strong Family-Community Ties			
NYC School Survey - Strong Family-Community Ties	70%	2.52	100%
Section Rating: Approaching Target	Section Score:	2.52	

Trust			
NYC School Survey - Trust	84%	2.76	100%
Section Rating: Approaching Target	Section Score:	2.76	

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Rigorous Instruction							
○ Common Core shifts in literacy	Teachers	78	76.8	89.4	100.0	0.07	1.28
Common Core shifts in math	Teachers	79	69.2	85.8	100.0	0.30	2.20
Course clarity	Students	88	77.5	86.9	96.3	0.55	3.20
Quality of student discussion	Teachers	68	55.8	77.8	99.8	0.28	2.12
Section Results:		78%					2.20
Collaborative Teachers							
Cultural awareness:							
Cultural awareness	Teachers	86	85.4	94.4	100.0	0.25	
Cultural awareness	Parents	85	82.3	91.9	100.0	0.25	
Cultural awareness	Students	78	66.6	80.6	94.6	0.41	
Cultural awareness	Combined	83				0.30	2.20
Inclusive classroom instruction	Teachers	86	82.7	93.1	100.0	0.25	2.00
Quality of professional development	Teachers	64	50.4	75.6	100.0	0.27	2.08
○ School commitment	Teachers	65	53.7	82.3	100.0	0.24	1.96
Innovation	Teachers	85	65.9	84.5	100.0	0.56	3.24
● Reflective dialogue	Teachers	95	85.1	95.3	100.0	0.75	4.00
○ Peer collaboration	Teachers	80	75.2	90.6	100.0	0.19	1.76
Focus on student learning	Teachers	70	60.0	85.2	100.0	0.25	2.00
Collective responsibility	Teachers	81	58.1	80.7	100.0	0.54	3.16
Section Results:		79%					2.48
Supportive Environment							
Safety:							
Safety	Teachers						
Safety	Students	77	67.5	82.9	98.3	0.31	
Safety	Combined	77				0.31	2.24
Classroom behavior:							
Classroom behavior	Teachers						
Classroom behavior	Students	83	68.3	82.1	95.9	0.51	
Classroom behavior	Combined	83				0.51	3.04
○ Social-emotional measure	Teachers	78	86.6	95.2	100.0	0.00	1.00
Peer interactions	Students	70	58.2	74.4	90.6	0.35	2.40
Next-level guidance	Students	81	71.4	83.6	95.8	0.39	2.56
Press toward academic achievement:							
Press toward academic achievement	Teachers						
Press toward academic achievement	Students	84	76.3	86.1	95.9	0.38	
Press toward academic achievement	Combined	84				0.38	2.52
Personal attention and support	Students	83	69.0	81.8	94.6	0.55	3.20
Peer support for academic work:							
Peer support for academic work	Teachers						
Peer support for academic work	Parents	80	68.1	85.5	100.0	0.37	
Peer support for academic work	Students	61	41.0	61.6	82.2	0.49	
Peer support for academic work	Combined	71				0.43	2.72
Section Results:		78%					2.48

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
○ Inclusive principal leadership	Parents	82	76.5	88.9	100.0	0.23	1.92
Teacher influence	Teachers	60	40.6	71.4	100.0	0.33	2.32
Program coherence	Teachers	70	57.0	82.6	100.0	0.30	2.20
Principal instructional leadership	Teachers	84	58.2	84.6	100.0	0.61	3.44
Section Results:		74%					2.48
Strong Family Community Ties							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	92	75.2	89.0	100.0	0.69	
Teacher outreach to parents	Parents	82	76.7	88.1	99.5	0.22	
Teacher outreach to parents	Combined	87				0.45	2.80
Parent involvement in the schools	Parents	53	41.2	61.0	80.8	0.31	2.24
Section Results:		70%					2.52
Trust							
Parent-teacher trust	Parents	89	84.9	93.1	100.0	0.30	2.20
Parent-principal trust	Parents	85	84.5	93.7	100.0	0.25	2.00
Student-teacher trust	Students	82	68.5	81.1	93.7	0.52	3.08
Teacher-principal trust	Teachers	72	55.0	84.0	100.0	0.38	2.52
● Teacher-teacher trust	Teachers	94	75.7	90.9	100.0	0.75	4.00
Section Results:		84%					2.76

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

29Q492

Mathematics, Science Research and Technology Magne

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
Credit Accumulation					
10+ Credits in 1st Year - All Students	87.9%	72.6% or lower	72.7% to 80.2%	80.3% to 85.6%	85.7% or higher
10+ Credits in 1st Year - School's Lowest Third	79.4%	57.5% or lower	57.6% to 68.6%	68.7% to 76.4%	76.5% or higher
10+ Credits in 2nd Year - All Students	82.6%	66.7% or lower	66.8% to 74.3%	74.4% to 79.6%	79.7% or higher
10+ Credits in 2nd Year - School's Lowest Third	75.0%	46.8% or lower	46.9% to 57.4%	57.5% to 64.9%	65.0% or higher
10+ Credits in 3rd Year - All Students	75.4%	65.8% or lower	65.9% to 73.4%	73.5% to 78.8%	78.9% or higher
10+ Credits in 3rd Year - School's Lowest Third	55.2%	47.0% or lower	47.1% to 57.5%	57.6% to 64.9%	65.0% or higher
Regents Performance					
Average Completion Rate for Remaining Regents	46.1%	44.4% or lower	44.5% to 51.3%	51.4% to 56.1%	56.2% or higher
Average Regents Score - English (non-Common Core)*	72.0	66.6 or lower	66.7 to 69.9	70.0 to 72.3	72.4 or higher
Average Regents Score - English (Common Core)*	78.0	71.5 or lower	71.6 to 75.3	75.4 to 78.0	78.1 or higher
Average Regents Score - Living Environment*	66.0	64.8 or lower	64.9 to 68.1	68.2 to 70.4	70.5 or higher
Average Regents Score - Global History*	57.0	58.9 or lower	59.0 to 62.5	62.6 to 64.9	65.0 or higher
Average Regents Score - US History*	68.0	67.6 or lower	67.7 to 71.6	71.7 to 74.4	74.5 or higher
Average Regents Score - Algebra I (Common Core)*	63.0	60.1 or lower	60.2 to 62.9	63.0 to 64.9	65.0 or higher
Graduation / Non-Dropout					
4-Year Graduation Rate	64.8%	62.2% or lower	62.3% to 69.3%	69.4% to 74.3%	74.4% or higher
6-Year Graduation Rate	81.1%	68.2% or lower	68.3% to 73.8%	73.9% to 77.7%	77.8% or higher
4-Year Non-Dropout Rate	87.9%	79.9% or lower	80.0% to 84.2%	84.3% to 87.2%	87.3% or higher
6-Year Non-Dropout Rate	83.8%	71.7% or lower	71.8% to 76.7%	76.8% to 80.1%	80.2% or higher
College and Career Readiness					
College and Career Preparatory Course Index	23.1%	23.2% or lower	23.3% to 34.9%	35.0% to 43.2%	43.3% or higher
4-Year College Readiness Index	12.1%	16.9% or lower	17.0% to 25.1%	25.2% to 30.9%	31.0% or higher
6-Year College Readiness Index with Persistence	49.5%	40.8% or lower	40.9% to 47.8%	47.9% to 52.6%	52.7% or higher
Postsecondary Enrollment Rate - 6 Months	48.4%	51.5% or lower	51.6% to 59.9%	60.0% to 65.8%	65.9% or higher
Postsecondary Enrollment Rate - 18 Months	62.2%	55.1% or lower	55.2% to 61.3%	61.4% to 65.6%	65.7% 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
Four-Year Graduation Rate					
English Language Learners	71.4%	50.4% or lower	50.5% to 61.2%	61.3% to 68.7%	68.8% or higher
Self-Contained / ICT / SETSS	40.0%	30.1% or lower	30.2% to 41.6%	41.7% to 49.6%	49.7% or higher
Lowest Third Citywide					
Lowest Third Citywide	42.4%	38.0% or lower	38.1% to 49.1%	49.2% to 56.8%	56.9% or higher
Black / Hispanic Males in Lowest Third Citywide	39.1%	31.9% or lower	32.0% to 43.7%	43.8% to 52.0%	52.1% or higher
College and Career Readiness of Students in Lowest Third Citywide					
College and Career Preparatory Course Index	9.1%	10.4% or lower	10.5% to 15.8%	15.9% to 19.5%	19.6% or higher
4-Year College Readiness Index	6.1%	3.4% or lower	3.5% to 5.2%	5.3% to 6.5%	6.6% or higher
Postsecondary Enrollment Rate - 6 Months	16.1%	17.8% or lower	17.9% to 26.5%	26.6% to 32.7%	32.8% 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	69.5%	57.7% or lower	57.8% to 65.0%	65.1% to 70.1%	70.2% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.83	0.56 or lower	0.57 to 0.68	0.69 to 0.76	0.77 or higher