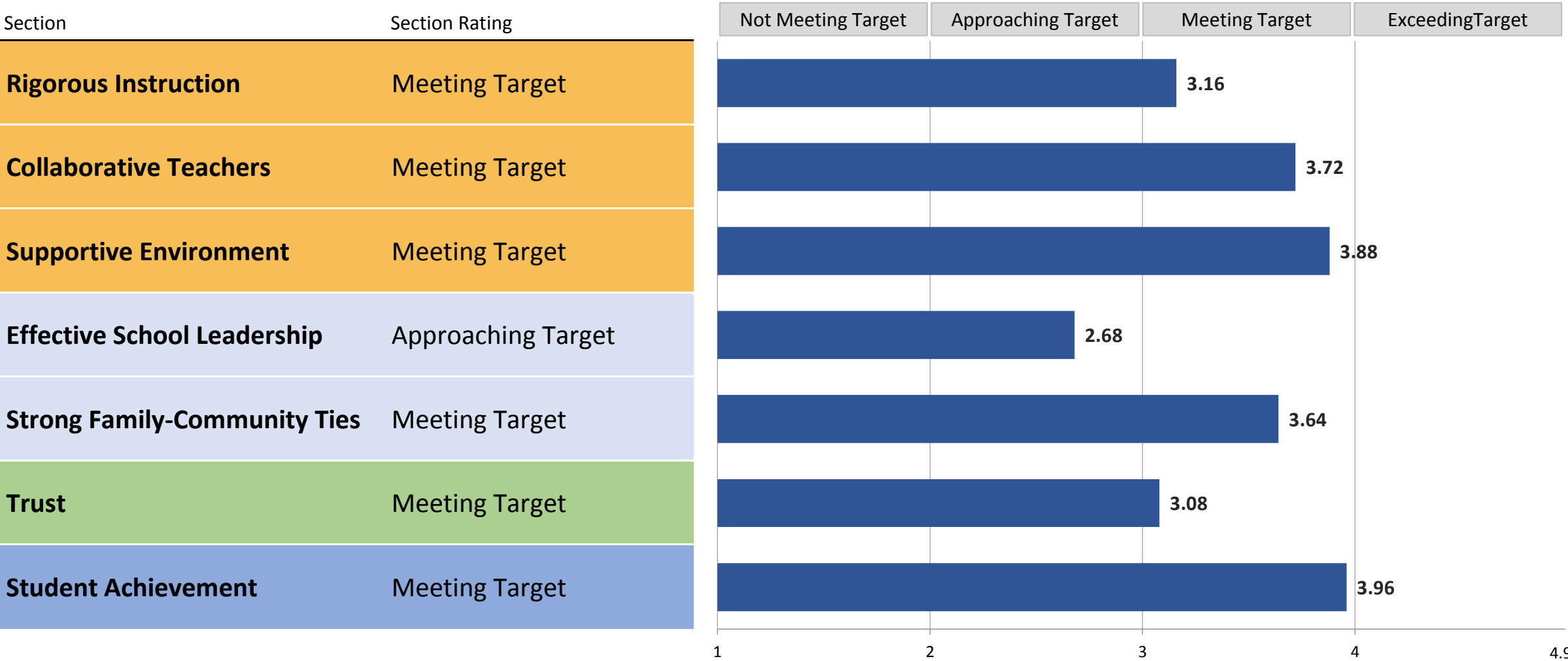


Framework for Great Schools

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: 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>

**2014-15 School Quality Guide / K-8**  
**School Enrollment and Demographic Data**

25Q499

The Queens College School for Math, Science and Technology

**Student Enrollment**

<b>Grade</b>	<b>2012 - 2013</b>	<b>2013 - 2014</b>	<b>2014 - 2015</b>
Kindergarten	47	48	45
Grade 1	49	47	49
Grade 2	48	51	53
Grade 3	53	48	55
Grade 4	54	57	48
Grade 5	56	57	58
Grade 6	63	66	55
Grade 7	55	62	63
Grade 8	49	52	60
<b>All students</b>	<b>492</b>	<b>506</b>	<b>504</b>

**Student Demographics**

	<b>2012 - 2013</b>	<b>2013 - 2014</b>	<b>2014 - 2015</b>
% English Language Learners	5%	4%	5%
% Free Lunch Eligible	37%	37%	39%
% Student with IEPs	8%	8%	11%
% Student with IEPs (less than 20% time)	3%	3%	3%
% HRA Eligible	-	13%	20%
% Temporary Housing	-	1%	1%
% Asian	46%	48%	49%
% Black	29%	30%	27%
% Hispanic	16%	13%	13%
% White	7%	8%	8%
% Other	0%	2%	2%

Student Achievement Rating	Student Achievement Score
Meeting Target	3.96

Student Achievement Metrics	2014-15 Targets							Metric Score	Weight Pct
	n	2014-15 School Value	Bottom of Target Range	Approaching Target	Meeting Target	Exceeding Target	Top of Target Range		
State Test Results - ELA									
Average Student Proficiency	337	3.12	2.19	2.57	2.89	3.14	3.56	3.92	8.20%
Percentage of Students at Level 3 or 4	337	59.3%	10.6%	28.4%	43.8%	56.0%	78.2%	4.15	8.20%
Median Adjusted Growth Percentile	282	65.0	50.8	57.9	64.0	68.7	78.7	3.21	8.20%
Median Adjusted Growth Percentile - School's Lowest Third	98	73.0	59.0	65.8	71.7	76.3	86.0	3.28	8.20%
Early Grade Progress	54	3.01	0.75	1.58	2.29	2.84	4.00	4.15	8.20%
State Test Results - Math									
Average Student Proficiency	334	3.38	2.24	2.69	3.06	3.34	3.81	4.09	8.20%
Percentage of Students at Level 3 or 4	334	70.1%	15.2%	34.6%	51.0%	63.9%	86.0%	4.28	8.20%
Median Adjusted Growth Percentile	279	63.0	47.5	55.7	62.7	68.2	79.7	3.05	8.20%
Median Adjusted Growth Percentile - School's Lowest Third	95	67.0	55.2	62.5	68.7	73.7	83.9	2.73	8.20%
Early Grade Progress	54	3.44	1.03	1.94	2.63	3.17	4.36	4.23	8.20%
Core Course Pass Rates									
ELA	176	92.0%	59.2%	70.7%	80.2%	87.6%	100.0%	4.35	1.64%
Math	176	94.3%	64.7%	74.8%	83.0%	89.4%	100.0%	4.46	1.64%
Science	176	96.0%	65.8%	75.6%	83.5%	89.7%	100.0%	4.61	1.64%
Social Studies	176	94.3%	59.2%	70.6%	80.2%	87.6%	100.0%	4.54	1.64%
Percent of 8th Graders Earning HS Credit	59	78.0%	0.0%	21.7%	39.7%	53.8%	82.4%	4.85	3.28%
9th Grade Adjusted Credit Accumulation of Former 8th Graders	44	95.0%	58.0%	70.0%	80.0%	87.0%	100.0%	4.62	8.20%
								Weighted Average Score	3.87

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					
ELA - Percent at Level 3 or 4													
Self-Contained	17	5.0%	28.1%	0.0%	0.0%	0.7%	1.0%	1.6%	2.6%	1.00	0.030	0.000	
Integrated Co-Teaching	1	0.3%	1.7%		0.0%	3.1%	5.0%	7.4%	12.4%		0.030	0.000	
SETSS	18	5.3%	45.3%	11.1%	0.0%	3.9%	6.3%	9.3%	15.6%	4.29	0.030	0.025	
Math - Percent at Level 3 or 4													
Self-Contained	16	4.8%	27.1%	6.3%	0.0%	2.1%	3.3%	4.9%	8.2%	4.42	0.030	0.026	
Integrated Co-Teaching	1	0.3%	1.7%		0.0%	5.2%	8.3%	12.3%	20.6%		0.030	0.000	
SETSS	18	5.4%	46.6%	16.7%	0.0%	6.1%	9.6%	14.4%	24.0%	4.24	0.030	0.024	
ELA - Percent at 75th+ Growth Percentile													
ELL	11	3.9%	10.3%	27.3%	14.1%	28.3%	36.6%	47.7%	70.3%		0.030	0.000	
Lowest Third Citywide	25	8.9%	13.9%	60.0%	33.6%	43.2%	48.8%	56.2%	71.4%		0.030	0.000	
Black and Hispanic Males in Lowest Third Citywide	12	4.3%	12.0%	50.0%	29.1%	40.6%	47.4%	56.4%	74.7%		0.030	0.000	
SC/ICT/SETSS	32	11.3%	27.4%	43.8%	30.2%	41.5%	48.2%	57.0%	75.0%	2.34	0.030	0.010	
Math - Percent at 75th+ Growth Percentile													
ELL	11	3.9%	9.9%	27.3%	13.4%	26.8%	34.7%	45.1%	66.4%		0.030	0.000	
Lowest Third Citywide	25	9.0%	12.9%	60.0%	28.0%	39.6%	46.4%	55.5%	74.0%		0.030	0.000	
Black and Hispanic Males in Lowest Third Citywide	11	3.9%	10.8%	54.5%	26.0%	38.8%	46.2%	56.1%	76.4%		0.030	0.000	
SC/ICT/SETSS	31	11.1%	27.1%	22.6%	26.0%	36.6%	42.8%	51.1%	68.0%	1.00	0.030	0.000	
ELL Progress	24	4.9%	17.1%	66.7%	24.5%	40.7%	50.2%	62.8%	88.5%		0.030	0.000	
											CtAG Additional Points		0.09
											Overall Student Achievement Score		3.96

● 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	Proficient	3.40	22%
Quality Review 2.2	Proficient	3.40	22%
NYC School Survey - Rigorous Instruction	87%	2.68	34%
Section Rating: Meeting Target	Section Score:	3.16	

Collaborative Teachers			
Quality Review 4.2	Well Developed	4.99	50%
NYC School Survey - Collaborative Teachers	80%	2.40	50%
Section Rating: Meeting Target	Section Score:	3.72	

Supportive Environment			
Quality Review 3.4	Well Developed	4.99	30%
NYC School Survey - Supportive Environment	84%	2.72	35%
Percentage of students with 90%+ attendance			
EMS	96.9%	4.60	
HS			
Overall	96.9%	4.60	30%
Movement of students with disabilities to less restrictive environments			
EMS	0.00	1.00	
HS			
Overall	0.00	1.00	5%
Section Rating: Meeting Target	Section Score:	3.88	

Effective School Leadership			
NYC School Survey - Effective School Leadership	74%	2.68	100%
Section Rating: Approaching Target	Section Score:	2.68	

Strong Family-Community Ties			
NYC School Survey - Strong Family-Community Ties	87%	3.64	100%
Section Rating: Meeting Target	Section Score:	3.64	

Trust			
NYC School Survey - Trust	86%	3.08	100%
Section Rating: Meeting Target	Section Score:	3.08	

**2014-15 School Quality Reports**  
**Framework Elements - Survey Scoring Appendix**

25Q499

The Queens College School for Math, Science and Technology

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Rigorous Instruction							
Common Core shifts in literacy	Teachers	92	86.5	94.1	100.0	0.50	3.00
Common Core shifts in math	Teachers	92	81.3	91.9	100.0	0.56	3.24
Course clarity	Students	86	82.2	90.6	99.0	0.25	2.00
Quality of student discussion	Teachers	78	64.9	83.3	100.0	0.37	2.48
Section Results:		87%					2.68
Collaborative Teachers							
Cultural awareness:							
Cultural awareness	Teachers	89	86.2	94.8	100.0	0.25	
Cultural awareness	Parents	94	89.5	94.1	98.7	0.53	
Cultural awareness	Students	70	69.6	84.0	98.4	0.03	
Cultural awareness	Combined	85				0.27	2.08
Inclusive classroom instruction	Teachers	89	84.7	94.1	100.0	0.28	2.12
o Quality of professional development	Teachers	61	52.2	76.8	100.0	0.19	1.76
School commitment	Teachers	87	60.2	84.6	100.0	0.68	3.72
Innovation	Teachers	76	66.7	84.9	100.0	0.29	2.16
Reflective dialogue	Teachers	90	87.4	95.2	100.0	0.50	3.00
Peer collaboration	Teachers	88	79.2	92.0	100.0	0.40	2.60
Focus on student learning	Teachers	77	67.5	88.5	100.0	0.28	2.12
o Collective responsibility	Teachers	69	59.6	82.2	100.0	0.23	1.92
Section Results:		80%					2.40
Supportive Environment							
Safety:							
Safety	Teachers						
Safety	Students	80	72.2	86.2	100.0	0.28	
Safety	Combined	80				0.28	2.12
Classroom behavior:							
Classroom behavior	Teachers						
Classroom behavior	Students	81	64.2	80.8	97.4	0.52	
Classroom behavior	Combined	81				0.52	3.08
Social-emotional measure	Teachers	93	88.0	96.2	100.0	0.50	3.00
Peer interactions	Students	77	67.8	82.0	96.2	0.32	2.28
Next-level guidance	Students	86	77.9	89.3	100.0	0.35	2.40
Press toward academic achievement:							
Press toward academic achievement	Teachers						
Press toward academic achievement	Students	89	82.4	89.4	96.4	0.46	
Press toward academic achievement	Combined	89				0.46	2.84
Personal attention and support	Students	82	75.7	86.3	96.9	0.30	2.20
Peer support for academic work:							
Peer support for academic work	Teachers						
Peer support for academic work	Parents	97	84.4	92.8	100.0	0.80	
Peer support for academic work	Students	72	45.8	67.0	88.2	0.62	
Peer support for academic work	Combined	84				0.71	3.84
Section Results:		84%					2.72

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
Inclusive principal leadership	Parents	92	79.5	89.7	99.9	0.61	3.44
Teacher influence	Teachers	47	30.2	60.2	90.2	0.28	2.12
Program coherence	Teachers	78	61.1	85.1	100.0	0.43	2.72
Principal instructional leadership	Teachers	77	63.6	87.0	100.0	0.37	2.48
Section Results:		74%					2.68
Strong Family Community Ties							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	95	84.4	93.8	100.0	0.75	
Teacher outreach to parents	Parents	93	83.7	91.1	98.5	0.60	
Teacher outreach to parents	Combined	94				0.67	3.68
Parent involvement in the schools	Parents	79	59.7	74.7	89.7	0.65	3.60
Section Results:		87%					3.64
Trust							
● Parent-teacher trust	Parents	96	90.0	94.6	99.2	0.75	4.00
Parent-principal trust	Parents	93	83.1	92.7	100.0	0.60	3.40
○ Student-teacher trust	Students	71	67.7	81.9	96.1	0.13	1.52
Teacher-principal trust	Teachers	73	62.0	86.8	100.0	0.29	2.16
● Teacher-teacher trust	Teachers	96	77.3	91.1	100.0	0.82	4.28
Section Results:		86%					3.08

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
State Test Results - ELA*					
Average Student Proficiency	3.12	3.04 or lower	3.05 to 3.12	3.13 to 3.18	3.19 or higher
Average Student Proficiency - School's Lowest Third	2.48	2.35 or lower	2.36 to 2.46	2.47 to 2.53	2.54 or higher
Percentage of Students at Level 3 or 4	59.3%	54.3% or lower	54.4% to 58.6%	58.7% to 61.8%	61.9% or higher
State Test Results - Math*					
Average Student Proficiency	3.38	3.20 or lower	3.21 to 3.32	3.33 to 3.41	3.42 or higher
Average Student Proficiency - School's Lowest Third	2.62	2.40 or lower	2.41 to 2.54	2.55 to 2.65	2.66 or higher
Percentage of Students at Level 3 or 4	70.1%	59.5% or lower	59.6% to 65.7%	65.8% to 70.2%	70.3% or higher
Core Course Pass Rates					
ELA	92.0%	78.9% or lower	79.0% to 84.0%	84.1% to 87.7%	87.8% or higher
Math	94.3%	78.6% or lower	78.7% to 83.8%	83.9% to 87.6%	87.7% or higher
Science	96.0%	79.7% or lower	79.8% to 84.6%	84.7% to 88.2%	88.3% or higher
Social Studies	94.3%	75.9% or lower	76.0% to 81.7%	81.8% to 86.0%	86.1% or higher
Percent of 8th Graders Earning HS Credit	78.0%	35.2% or lower	35.3% to 48.0%	48.1% to 57.4%	57.5% or higher
9th Grade Adjusted Credit Accumulation of Former 8th Graders	95.0%	84.9% or lower	85.0% to 87.9%	88.0% to 90.9%	91.0% or higher

Closing the Achievement Gap Metrics*	2014-15 School Value	2015-16 Targets			
		Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
ELA - Average Proficiency Rating					
Self-Contained	2.02	1.89 or lower	1.90 to 1.96	1.97 to 2.01	2.02 or higher
Integrated Co-Teaching		2.20 or lower	2.21 to 2.28	2.29 to 2.34	2.35 or higher
SETSS	2.36	2.21 or lower	2.22 to 2.33	2.34 to 2.42	2.43 or higher
ELL	2.65	2.36 or lower	2.37 to 2.49	2.50 to 2.58	2.59 or higher
Lowest Third Citywide	2.09	2.01 or lower	2.02 to 2.06	2.07 to 2.10	2.11 or higher
Black and Hispanic Males in Lowest Third Citywide	1.94	1.92 or lower	1.93 to 1.99	2.00 to 2.03	2.04 or higher
Math - Average Proficiency Rating					
Self-Contained	2.14	1.89 or lower	1.90 to 2.00	2.01 to 2.09	2.10 or higher
Integrated Co-Teaching		2.28 or lower	2.29 to 2.41	2.42 to 2.51	2.52 or higher
SETSS	2.41	2.34 or lower	2.35 to 2.51	2.52 to 2.63	2.64 or higher
ELL	3.18	2.62 or lower	2.63 to 2.80	2.81 to 2.93	2.94 or higher
Lowest Third Citywide	2.16	1.96 or lower	1.97 to 2.03	2.04 to 2.08	2.09 or higher
Black and Hispanic Males in Lowest Third Citywide	2.10	1.92 or lower	1.93 to 2.00	2.01 to 2.05	2.06 or higher
ELL Progress	66.7%	50.6% or lower	50.7% to 59.4%	59.5% to 65.9%	66.0% 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	96.9%	77.5% or lower	77.6% to 82.9%	83.0% to 86.9%	87.0% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.00	0.24 or lower	0.25 to 0.36	0.37 to 0.44	0.45 or higher

\* If the participation in state tests is low, the targets may be adjusted to reflect the students at the school that actually take the tests.