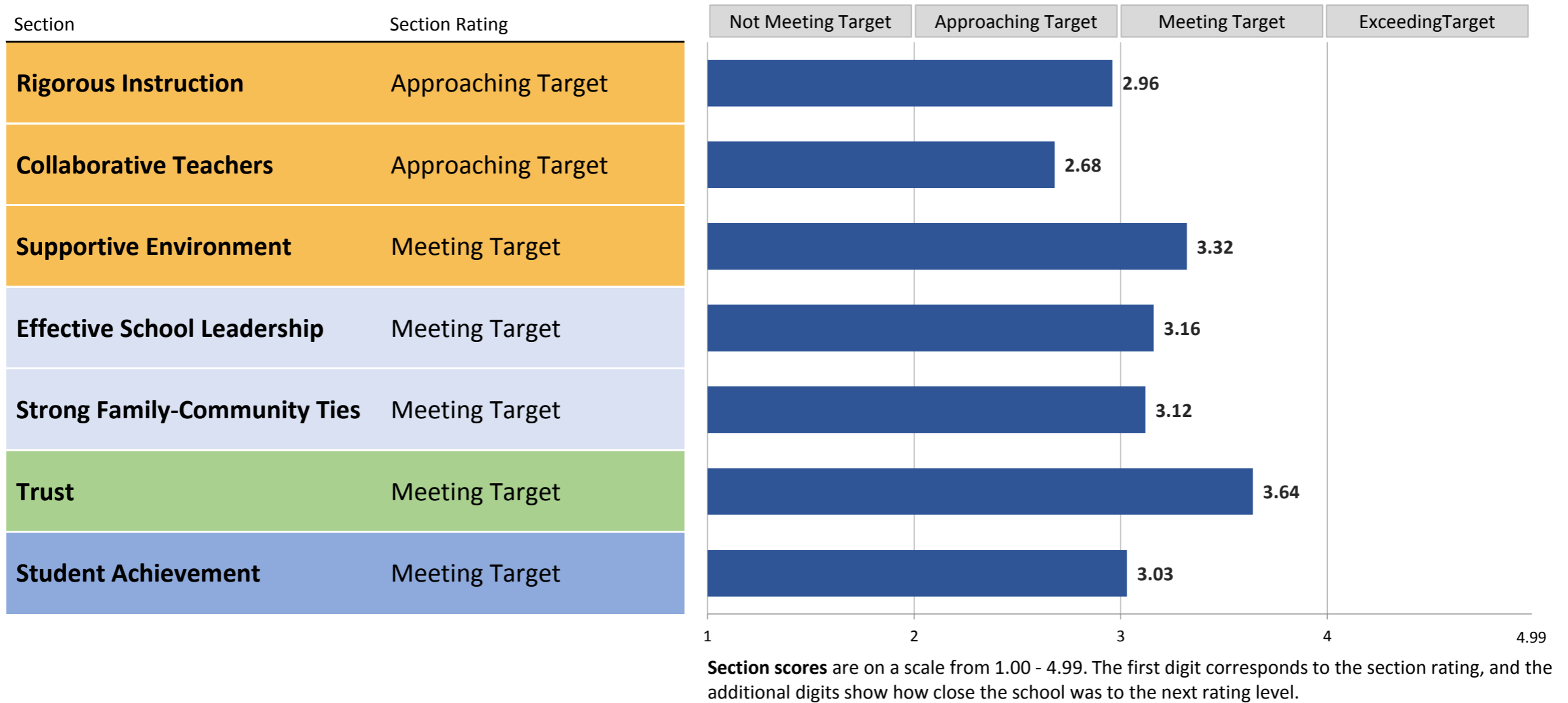


Framework for Great Schools

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: Focus

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 6	104	112	80
Grade 7	118	94	93
Grade 8	124	118	104
All students	346	324	277

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	11%	11%	10%
% Free Lunch Eligible	87%	87%	86%
% Student with IEPs	22%	25%	29%
% Student with IEPs (less than 20% time)	1%	0%	0%
% HRA Eligible	-	73%	70%
% Temporary Housing	-	13%	19%
% Asian	4%	3%	4%
% Black	28%	29%	28%
% Hispanic	66%	65%	66%
% White	2%	2%	2%
% Other	0%	0%	0%
Average Incoming ELA Proficiency	2.79	2.40	2.35
Average Incoming Math Proficiency	3.22	2.66	2.53

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

Student Achievement Rating	Student Achievement Score
Meeting Target	3.03

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			
State Test Results - ELA									
Average Student Proficiency	264	2.24	1.98	2.20	2.32	2.45	2.70	2.33	9.80%
Percentage of Students at Level 3 or 4	264	9.8%	2.0%	9.2%	14.4%	20.2%	28.4%	2.12	9.80%
Median Adjusted Growth Percentile	251	63.0	47.5	53.0	60.9	66.2	75.5	3.40	9.80%
Median Adjusted Growth Percentile - School's Lowest Third	89	78.0	62.0	67.5	75.6	80.9	90.3	3.45	9.80%
State Test Results - Math									
Average Student Proficiency	266	2.15	1.79	2.11	2.33	2.57	2.90	2.18	9.80%
Percentage of Students at Level 3 or 4	266	5.6%	0.0%	9.3%	16.3%	24.1%	33.9%	1.60	9.80%
Median Adjusted Growth Percentile	253	54.0	38.1	46.3	58.1	65.9	79.9	2.65	9.80%
Median Adjusted Growth Percentile - School's Lowest Third	88	77.0	57.0	63.1	71.9	77.7	88.1	3.88	9.80%
Core Course Pass Rates									
ELA	260	90.0%	69.6%	78.4%	84.7%	91.9%	100.0%	3.74	1.96%
Math	260	93.8%	68.1%	77.2%	83.9%	91.4%	100.0%	4.28	1.96%
Science	260	91.2%	71.7%	79.9%	85.8%	92.4%	100.0%	3.82	1.96%
Social Studies	260	90.0%	65.1%	75.0%	82.4%	90.6%	100.0%	3.93	1.96%
Percent of 8th Graders Earning HS Credit	99	0.0%	0.0%	12.7%	22.2%	32.7%	45.1%	1.00	3.92%
9th Grade Adjusted Credit Accumulation of Former 8th Graders	110	88.0%	57.0%	69.0%	78.0%	88.0%	100.0%	4.00	9.80%
								Weighted Average Score	2.86

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	6.4%	33.2%	0.0%	0.0%	0.4%	0.8%	1.3%	2.2%	1.00	0.030	0.000
Integrated Co-Teaching	43	16.3%	89.6%	2.3%	0.0%	1.6%	3.2%	5.1%	8.4%	2.44	0.030	0.011
SETSS	13	4.9%	52.7%	7.7%	0.0%	2.6%	5.2%	8.2%	13.6%	3.83	0.030	0.021
Math - Percent at Level 3 or 4												
Self-Contained	17	6.4%	33.9%	0.0%	0.0%	0.7%	1.4%	2.3%	3.8%	1.00	0.030	0.000
Integrated Co-Teaching	45	16.9%	93.4%	0.0%	0.0%	2.4%	4.8%	7.6%	12.6%	1.00	0.030	0.000
SETSS	13	4.9%	53.3%	0.0%	0.0%	3.3%	6.6%	10.4%	17.2%	1.00	0.030	0.000
ELA - Percent at 75th+ Growth Percentile												
ELL	44	17.5%	39.1%	40.9%	17.2%	27.0%	36.6%	47.8%	68.0%	3.38	0.030	0.018
Lowest Third Citywide	131	52.2%	67.0%	47.3%	31.5%	39.4%	47.2%	56.3%	72.7%	3.01	0.030	0.015
Black and Hispanic Males in Lowest Third Citywide	77	30.7%	68.7%	44.2%	29.6%	38.0%	46.2%	55.9%	73.2%	2.76	0.030	0.013
SC/ICT/SETSS	68	27.1%	66.0%	42.6%	35.0%	42.9%	50.8%	60.0%	76.4%	1.96	0.030	0.007
Math - Percent at 75th+ Growth Percentile												
ELL	47	18.6%	38.4%	27.7%	12.4%	22.8%	33.0%	45.0%	66.4%	2.48	0.030	0.011
Lowest Third Citywide	139	54.9%	67.5%	44.6%	24.4%	34.1%	43.7%	54.9%	75.0%	3.08	0.030	0.016
Black and Hispanic Males in Lowest Third Citywide	64	25.3%	56.9%	48.4%	24.1%	34.0%	43.7%	55.1%	75.5%	3.41	0.030	0.018
SC/ICT/SETSS	70	27.7%	69.2%	44.3%	25.8%	34.5%	43.0%	53.1%	71.0%	3.13	0.030	0.016
ELL Progress	28	10.1%	28.0%	60.7%	11.3%	22.8%	34.2%	47.5%	71.3%	4.55	0.030	0.027
											CtAG Additional Points	0.17
											Overall Student Achievement Score	3.03

- 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	Developing	2.00	22%
Quality Review 1.2	Proficient	3.40	22%
Quality Review 2.2	Proficient	3.40	22%
NYC School Survey - Rigorous Instruction	84%	3.00	34%
Section Rating: Approaching Target	Section Score:	2.96	

Collaborative Teachers			
Quality Review 4.2	Developing	2.00	50%
NYC School Survey - Collaborative Teachers	87%	3.32	50%
Section Rating: Approaching Target	Section Score:	2.68	

Supportive Environment			
Quality Review 3.4	Proficient	3.40	30%
NYC School Survey - Supportive Environment	85%	3.20	35%
Percentage of students with 90%+ attendance			
EMS	77.1%	3.28	
HS			
Overall	77.1%	3.28	30%
Movement of students with disabilities to less restrictive environments			
EMS	0.56	4.06	
HS			
Overall	0.56	4.06	5%
Section Rating: Meeting Target	Section Score:	3.32	

Effective School Leadership			
NYC School Survey - Effective School Leadership	84%	3.16	100%
Section Rating: Meeting Target	Section Score:	3.16	

Strong Family-Community Ties			
NYC School Survey - Strong Family-Community Ties	80%	3.12	100%
Section Rating: Meeting Target	Section Score:	3.12	

Trust			
NYC School Survey - Trust	92%	3.64	100%
Section Rating: Meeting Target	Section Score:	3.64	

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Rigorous Instruction							
Common Core shifts in literacy	Teachers	94	79.4	91.4	100.0	0.70	3.80
Common Core shifts in math	Teachers	78	68.9	87.1	100.0	0.29	2.16
Course clarity	Students	91	81.3	89.7	98.1	0.58	3.32
Quality of student discussion	Teachers	73	53.2	78.4	100.0	0.43	2.72
Section Results:		84%					3.00
Collaborative Teachers							
Cultural awareness:							
Cultural awareness	Teachers	93	84.5	94.1	100.0	0.54	
Cultural awareness	Parents	88	87.1	93.3	99.5	0.25	
Cultural awareness	Students	90	70.6	84.2	97.8	0.70	
Cultural awareness	Combined	90				0.49	2.96
• Inclusive classroom instruction	Teachers	95	81.7	93.3	100.0	0.75	4.00
Quality of professional development	Teachers	85	54.0	77.4	100.0	0.66	3.64
School commitment	Teachers	82	59.7	84.3	100.0	0.54	3.16
Innovation	Teachers	82	65.8	85.2	100.0	0.47	2.88
Reflective dialogue	Teachers	94	86.6	95.8	100.0	0.55	3.20
Peer collaboration	Teachers	92	76.7	91.9	100.0	0.65	3.60
Focus on student learning	Teachers	89	68.4	88.4	100.0	0.66	3.64
Collective responsibility	Teachers	75	57.5	82.3	100.0	0.41	2.64
Section Results:		87%					3.32
Supportive Environment							
Safety:							
Safety	Teachers						
Safety	Students	84	67.5	82.9	98.3	0.52	
Safety	Combined	84				0.52	3.08
Classroom behavior:							
Classroom behavior	Teachers						
Classroom behavior	Students	78	63.4	79.2	95.0	0.46	
Classroom behavior	Combined	78				0.46	2.84
• Social-emotional measure	Teachers	98	84.7	95.3	100.0	0.90	4.60
Peer interactions	Students	82	67.5	80.7	93.9	0.54	3.16
Next-level guidance	Students	88	76.9	88.3	99.7	0.50	3.00
Press toward academic achievement:							
Press toward academic achievement	Teachers						
Press toward academic achievement	Students	88	80.6	88.2	95.8	0.51	
Press toward academic achievement	Combined	88				0.51	3.04
Personal attention and support	Students	89	74.1	85.5	96.9	0.64	3.56
Peer support for academic work:							
Peer support for academic work	Teachers						
Peer support for academic work	Parents	75	76.8	88.6	100.0	0.00	
Peer support for academic work	Students	72	48.0	66.6	85.2	0.63	
Peer support for academic work	Combined	73				0.32	2.28
Section Results:		85%					3.20

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
Inclusive principal leadership	Parents	86	82.1	90.7	99.3	0.25	2.00
Teacher influence	Teachers	78	34.5	67.1	99.7	0.67	3.68
Program coherence	Teachers	83	60.8	85.2	100.0	0.57	3.28
Principal instructional leadership	Teachers	89	67.2	88.0	100.0	0.65	3.60
Section Results:		84%					3.16
Strong Family Community Ties							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	92	79.9	92.5	100.0	0.62	
Teacher outreach to parents	Parents	89	81.6	90.6	99.6	0.40	
Teacher outreach to parents	Combined	91				0.51	3.04
Parent involvement in the schools	Parents	68	47.1	66.3	85.5	0.54	3.16
Section Results:		80%					3.12
Trust							
• Parent-teacher trust	Parents	95	88.9	94.3	99.7	0.75	4.00
Parent-principal trust	Parents	88	88.6	94.8	100.0	0.25	2.00
Student-teacher trust	Students	87	69.2	82.0	94.8	0.68	3.72
• Teacher-principal trust	Teachers	95	63.2	87.4	100.0	0.88	4.52
Teacher-teacher trust	Teachers	93	74.2	90.6	100.0	0.72	3.88
Section Results:		92%					3.64

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

04M825

Isaac Newton Middle School for Math & Science

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
State Test Results - ELA*					
Average Student Proficiency	2.24	2.15 or lower	2.16 to 2.22	2.23 to 2.28	2.29 or higher
Average Student Proficiency - School's Lowest Third	1.94	1.83 or lower	1.84 to 1.92	1.93 to 1.99	2.00 or higher
Percentage of Students at Level 3 or 4	9.8%	7.1% or lower	7.2% to 10.7%	10.8% to 14.9%	15.0% or higher
State Test Results - Math*					
Average Student Proficiency	2.15	2.06 or lower	2.07 to 2.19	2.20 to 2.29	2.30 or higher
Average Student Proficiency - School's Lowest Third	1.90	1.79 or lower	1.80 to 1.89	1.90 to 1.99	2.00 or higher
Percentage of Students at Level 3 or 4	5.6%	7.0% or lower	7.1% to 11.1%	11.2% to 14.9%	15.0% or higher
Core Course Pass Rates					
ELA	90.0%	76.6% or lower	76.7% to 82.1%	82.2% to 86.5%	86.6% or higher
Math	93.8%	77.8% or lower	77.9% to 83.0%	83.1% to 87.2%	87.3% or higher
Science	91.2%	78.5% or lower	78.6% to 83.5%	83.6% to 87.6%	87.7% or higher
Social Studies	90.0%	75.3% or lower	75.4% to 81.1%	81.2% to 85.8%	85.9% or higher
Percent of 8th Graders Earning HS Credit	0.0%	6.4% or lower	6.5% to 10.1%	10.2% to 14.9%	15.0% or higher
9th Grade Adjusted Credit Accumulation of Former 8th Graders	88.0%	76.9% or lower	77.0% to 80.9%	81.0% to 84.9%	85.0% 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	1.86	1.77 or lower	1.78 to 1.84	1.85 to 1.89	1.90 or higher
Integrated Co-Teaching	2.04	1.95 or lower	1.96 to 2.02	2.03 to 2.09	2.10 or higher
SETSS	2.24	2.00 or lower	2.01 to 2.12	2.13 to 2.21	2.22 or higher
ELL	2.15	1.94 or lower	1.95 to 2.06	2.07 to 2.15	2.16 or higher
Lowest Third Citywide	1.99	1.90 or lower	1.91 to 1.95	1.96 to 1.99	2.00 or higher
Black and Hispanic Males in Lowest Third Citywide	1.93	1.87 or lower	1.88 to 1.92	1.93 to 1.99	2.00 or higher
Math - Average Proficiency Rating					
Self-Contained	1.89	1.69 or lower	1.70 to 1.79	1.80 to 1.89	1.90 or higher
Integrated Co-Teaching	1.98	1.86 or lower	1.87 to 1.98	1.99 to 2.08	2.09 or higher
SETSS	2.18	1.91 or lower	1.92 to 2.06	2.07 to 2.19	2.20 or higher
ELL	2.16	1.95 or lower	1.96 to 2.11	2.12 to 2.24	2.25 or higher
Lowest Third Citywide	1.96	1.80 or lower	1.81 to 1.89	1.90 to 1.99	2.00 or higher
Black and Hispanic Males in Lowest Third Citywide	1.96	1.81 or lower	1.82 to 1.89	1.90 to 1.99	2.00 or higher
ELL Progress	60.7%	24.7% or lower	24.8% to 34.6%	34.7% to 42.6%	42.7% 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	77.1%	61.5% or lower	61.6% to 67.4%	67.5% to 72.2%	72.3% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.56	0.14 or lower	0.15 to 0.23	0.24 to 0.30	0.31 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.