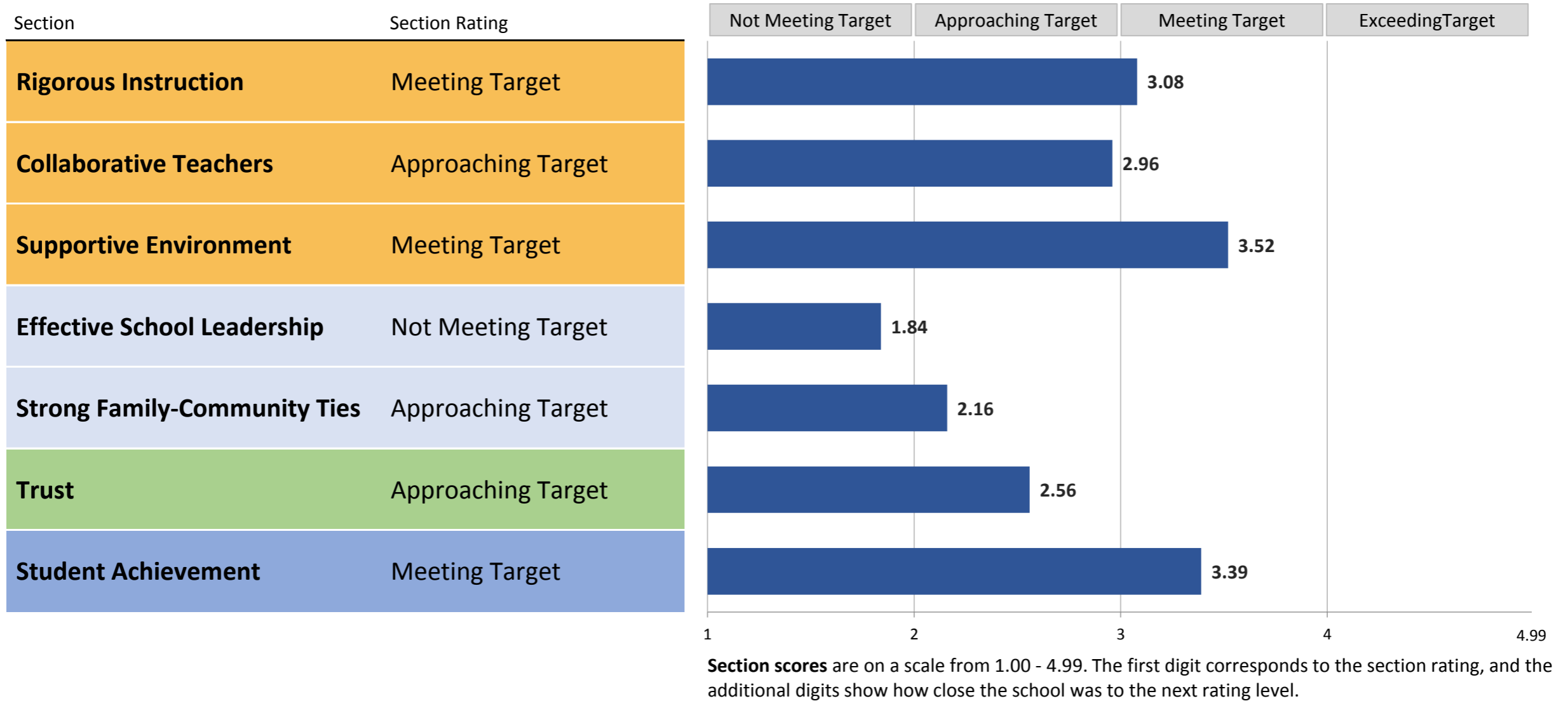


Framework for Great Schools

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	99	105	90
Grade 7	93	89	102
Grade 8	97	89	82
All students	289	283	274

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	1%	3%	7%
% Free Lunch Eligible	73%	73%	71%
% Student with IEPs	24%	23%	25%
% Student with IEPs (less than 20% time)	10%	7%	10%
% HRA Eligible	-	54%	53%
% Temporary Housing	-	11%	14%
% Asian	3%	9%	9%
% Black	35%	33%	31%
% Hispanic	61%	57%	57%
% White	1%	1%	3%
% Other	0%	0%	1%
Average Incoming ELA Proficiency	2.82	2.48	2.45
Average Incoming Math Proficiency	3.32	2.88	2.72

Student Achievement Rating Meeting Target	Student Achievement Score 3.39
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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			
State Test Results - ELA									
Average Student Proficiency	265	2.46	2.01	2.27	2.42	2.58	2.83	3.25	9.80%
Percentage of Students at Level 3 or 4	265	23.4%	3.2%	12.2%	18.8%	26.1%	34.9%	3.63	9.80%
Median Adjusted Growth Percentile	251	64.0	47.9	53.6	61.8	67.3	77.0	3.40	9.80%
Median Adjusted Growth Percentile - School's Lowest Third	87	78.0	60.6	66.5	74.9	80.6	90.6	3.54	9.80%
State Test Results - Math									
Average Student Proficiency	268	2.39	1.86	2.21	2.44	2.69	3.02	2.78	9.80%
Percentage of Students at Level 3 or 4	268	21.3%	0.0%	12.0%	20.9%	30.9%	42.3%	3.04	9.80%
Median Adjusted Growth Percentile	252	61.0	39.9	47.6	58.7	66.1	79.3	3.31	9.80%
Median Adjusted Growth Percentile - School's Lowest Third	92	69.5	56.5	62.5	71.1	76.9	87.2	2.81	9.80%
Core Course Pass Rates									
ELA	263	91.3%	70.4%	79.0%	85.2%	92.1%	100.0%	3.88	1.96%
Math	263	90.9%	68.2%	77.3%	84.0%	91.5%	100.0%	3.92	1.96%
Science	263	88.6%	73.9%	81.6%	87.0%	93.1%	100.0%	3.26	1.96%
Social Studies	263	90.5%	66.8%	76.3%	83.3%	91.1%	100.0%	3.92	1.96%
Percent of 8th Graders Earning HS Credit	82	28.0%	0.0%	16.3%	28.5%	42.1%	57.8%	2.96	3.92%
9th Grade Adjusted Credit Accumulation of Former 8th Graders	80	86.0%	71.0%	79.0%	85.0%	91.0%	99.0%	3.17	9.80%
								Weighted Average Score	3.24

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	29	10.9%	56.5%	0.0%	0.0%	0.4%	0.8%	1.3%	2.2%	1.00	0.030	0.000
○ Integrated Co-Teaching	30	11.3%	62.1%	0.0%	0.0%	1.6%	3.2%	5.1%	8.4%	1.00	0.030	0.000
● SETSS	9	3.4%	36.6%	11.1%	0.0%	2.6%	5.2%	8.2%	13.6%	4.54	0.030	0.027
Math - Percent at Level 3 or 4												
○ Self-Contained	29	10.8%	57.1%	0.0%	0.0%	0.7%	1.4%	2.3%	3.8%	1.00	0.030	0.000
○ Integrated Co-Teaching	30	11.2%	61.9%	3.3%	0.0%	2.4%	4.8%	7.6%	12.6%	2.38	0.030	0.010
● SETSS	9	3.4%	37.0%	11.1%	0.0%	3.3%	6.6%	10.4%	17.2%	4.10	0.030	0.023
ELA - Percent at 75th+ Growth Percentile												
ELL	27	10.8%	24.2%	55.6%	17.2%	27.0%	36.6%	47.8%	68.0%		0.030	0.000
Lowest Third Citywide	97	38.6%	48.1%	53.6%	31.5%	39.4%	47.2%	56.3%	72.7%	3.70	0.030	0.020
Black and Hispanic Males in Lowest Third Citywide	56	22.3%	49.9%	53.6%	29.6%	38.0%	46.2%	55.9%	73.2%	3.76	0.030	0.021
SC/ICT/SETSS	62	24.7%	58.7%	53.2%	35.0%	42.9%	50.8%	60.0%	76.4%	3.26	0.030	0.017
Math - Percent at 75th+ Growth Percentile												
ELL	28	11.1%	22.9%	50.0%	12.4%	22.8%	33.0%	45.0%	66.4%		0.030	0.000
Lowest Third Citywide	108	42.9%	52.6%	38.0%	24.4%	34.1%	43.7%	54.9%	75.0%	2.41	0.030	0.011
Black and Hispanic Males in Lowest Third Citywide	58	23.0%	51.7%	34.5%	24.1%	34.0%	43.7%	55.1%	75.5%	2.05	0.030	0.008
SC/ICT/SETSS	63	25.0%	60.9%	39.7%	25.8%	34.5%	43.0%	53.1%	71.0%	2.61	0.030	0.012
ELL Progress	20	7.3%	20.2%	30.0%	11.3%	22.8%	34.2%	47.5%	71.3%		0.030	0.000
											CtAG Additional Points	0.15
											Overall Student Achievement Score	3.39

- 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	81%	2.40	34%
Section Rating: Meeting Target	Section Score:	3.08	

Collaborative Teachers			
Quality Review 4.2	Proficient	3.40	50%
NYC School Survey - Collaborative Teachers	78%	2.48	50%
Section Rating: Approaching Target	Section Score:	2.96	

Supportive Environment			
Quality Review 3.4	Well Developed	4.99	30%
NYC School Survey - Supportive Environment	80%	2.60	35%
Percentage of students with 90%+ attendance			
EMS	76.2%	2.88	
HS	63.5%	3.64	
Overall	69.9%	3.28	30%
Movement of students with disabilities to less restrictive environments			
EMS	0.21	2.24	
HS	0.37	2.51	
Overall	0.29	2.38	5%
Section Rating: Meeting Target	Section Score:	3.52	

Effective School Leadership			
NYC School Survey - Effective School Leadership	66%	1.84	100%
Section Rating: Not Meeting Target	Section Score:	1.84	

Strong Family-Community Ties			
NYC School Survey - Strong Family-Community Ties	71%	2.16	100%
Section Rating: Approaching Target	Section Score:	2.16	

Trust			
NYC School Survey - Trust	83%	2.56	100%
Section Rating: Approaching Target	Section Score:	2.56	

		Survey % Positive	City Range			Percent of Range	Score	
			Bottom of Range	City Avg	Top of Range			
Rigorous Instruction								
○	Common Core shifts in literacy	Teachers	75	78.0	90.2	100.0	0.00	1.00
	Common Core shifts in math	Teachers	85	73.4	86.8	100.0	0.43	2.72
	Course clarity	Students	88	79.8	87.6	95.4	0.53	3.12
	Quality of student discussion	Teachers	76	58.6	79.2	99.8	0.42	2.68
Section Results:			81%					2.40
Collaborative Teachers								
Cultural awareness:								
	Cultural awareness	Teachers	99	85.7	94.3	100.0	0.90	
	Cultural awareness	Parents	87	85.4	92.4	99.4	0.25	
	Cultural awareness	Students	83	69.5	80.9	92.3	0.58	
	Cultural awareness	Combined	90				0.57	3.28
●	Inclusive classroom instruction	Teachers	96	81.4	92.4	100.0	0.80	4.20
	Quality of professional development	Teachers	60	45.8	75.2	100.0	0.27	2.08
	School commitment	Teachers	73	60.1	85.3	100.0	0.32	2.28
○	Innovation	Teachers	69	63.0	84.2	100.0	0.16	1.64
	Reflective dialogue	Teachers	93	85.6	95.2	100.0	0.51	3.04
○	Peer collaboration	Teachers	76	72.0	89.8	100.0	0.13	1.52
	Focus on student learning	Teachers	76	64.0	86.6	100.0	0.33	2.32
	Collective responsibility	Teachers	66	54.5	80.5	100.0	0.25	2.00
Section Results:			78%					2.48
Supportive Environment								
Safety:								
	Safety	Teachers						
	Safety	Students	79	69.7	83.1	96.5	0.36	
	Safety	Combined	79				0.36	2.44
Classroom behavior:								
	Classroom behavior	Teachers						
	Classroom behavior	Students	78	67.0	80.4	93.8	0.42	
	Classroom behavior	Combined	78				0.42	2.68
	Social-emotional measure	Teachers	94	86.5	95.3	100.0	0.55	3.20
	Peer interactions	Students	75	63.1	76.5	89.9	0.44	2.76
	Next-level guidance	Students	80	72.1	83.3	94.5	0.34	2.36
Press toward academic achievement:								
	Press toward academic achievement	Teachers						
	Press toward academic achievement	Students	85	80.3	87.9	95.5	0.32	
	Press toward academic achievement	Combined	85				0.32	2.28
	Personal attention and support	Students	83	73.6	83.0	92.4	0.52	3.08
Peer support for academic work:								
	Peer support for academic work	Teachers						
	Peer support for academic work	Parents	76	72.8	86.8	100.0	0.11	
	Peer support for academic work	Students	59	45.3	61.7	78.1	0.40	
	Peer support for academic work	Combined	67				0.26	2.04
Section Results:			80%					2.60

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
○ Inclusive principal leadership	Parents	81	76.7	88.9	100.0	0.20	1.80
○ Teacher influence	Teachers	47	44.5	71.1	97.7	0.04	1.16
○ Program coherence	Teachers	73	52.0	80.8	100.0	0.44	2.76
○ Principal instructional leadership	Teachers	63	56.6	85.0	100.0	0.15	1.60
Section Results:		66%					1.84
Strong Family Community Ties							
Teacher outreach to parents:							
○ Teacher outreach to parents	Teachers	87	77.3	90.9	100.0	0.41	
○ Teacher outreach to parents	Parents	82	76.9	88.1	99.3	0.21	
○ Teacher outreach to parents	Combined	84				0.31	2.24
○ Parent involvement in the schools	Parents	57	48.2	65.0	81.8	0.26	2.04
Section Results:		71%					2.16
Trust							
○ Parent-teacher trust	Parents	91	86.5	93.3	100.0	0.50	3.00
○ Parent-principal trust	Parents	88	84.5	93.1	100.0	0.25	2.00
○ Student-teacher trust	Students	79	69.1	79.9	90.7	0.47	2.88
○ Teacher-principal trust	Teachers	71	56.9	85.9	100.0	0.33	2.32
○ Teacher-teacher trust	Teachers	85	74.0	90.8	100.0	0.42	2.68
Section Results:		83%					2.56

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

08X367

Archimedes Academy for Math, Science and Technolog

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	2.46	2.34 or lower	2.35 to 2.41	2.42 to 2.47	2.48 or higher
Average Student Proficiency - School's Lowest Third	1.95	1.86 or lower	1.87 to 1.94	1.95 to 2.01	2.02 or higher
Percentage of Students at Level 3 or 4	23.4%	16.3% or lower	16.4% to 20.0%	20.1% to 23.0%	23.1% or higher
State Test Results - Math*					
Average Student Proficiency	2.39	2.29 or lower	2.30 to 2.42	2.43 to 2.52	2.53 or higher
Average Student Proficiency - School's Lowest Third	1.84	1.79 or lower	1.80 to 1.90	1.91 to 2.00	2.01 or higher
Percentage of Students at Level 3 or 4	21.3%	15.9% or lower	16.0% to 21.7%	21.8% to 26.5%	26.6% or higher
Core Course Pass Rates					
ELA	91.3%	78.6% or lower	78.7% to 83.6%	83.7% to 87.7%	87.8% or higher
Math	90.9%	79.8% or lower	79.9% to 84.5%	84.6% to 88.4%	88.5% or higher
Science	88.6%	82.0% or lower	82.1% to 86.2%	86.3% to 89.6%	89.7% or higher
Social Studies	90.5%	77.1% or lower	77.2% to 82.5%	82.6% to 86.8%	86.9% or higher
Percent of 8th Graders Earning HS Credit	28.0%	13.5% or lower	13.6% to 21.3%	21.4% to 27.6%	27.7% or higher
9th Grade Adjusted Credit Accumulation of Former 8th Graders	86.0%	78.9% or lower	79.0% to 83.9%	84.0% to 87.9%	88.0% 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	1.81	1.77 or lower	1.78 to 1.84	1.85 to 1.89	1.90 or higher
Integrated Co-Teaching	2.02	1.94 or lower	1.95 to 2.02	2.03 to 2.08	2.09 or higher
SETSS	2.14	1.94 or lower	1.95 to 2.05	2.06 to 2.15	2.16 or higher
ELL	2.15	2.00 or lower	2.01 to 2.11	2.12 to 2.21	2.22 or higher
Lowest Third Citywide	1.94	1.91 or lower	1.92 to 1.96	1.97 to 2.00	2.01 or higher
Black and Hispanic Males in Lowest Third Citywide	1.93	1.88 or lower	1.89 to 1.93	1.94 to 1.99	2.00 or higher
Math - Average Proficiency Rating					
Self-Contained	1.70	1.72 or lower	1.73 to 1.80	1.81 to 1.89	1.90 or higher
Integrated Co-Teaching	1.93	1.87 or lower	1.88 to 1.99	2.00 to 2.09	2.10 or higher
SETSS	2.16	1.91 or lower	1.92 to 2.06	2.07 to 2.19	2.20 or higher
ELL	2.27	2.06 or lower	2.07 to 2.22	2.23 to 2.35	2.36 or higher
Lowest Third Citywide	1.86	1.83 or lower	1.84 to 1.91	1.92 to 1.99	2.00 or higher
Black and Hispanic Males in Lowest Third Citywide	1.85	1.82 or lower	1.83 to 1.89	1.90 to 1.99	2.00 or higher
ELL Progress	30.0%	29.9% or lower	30.0% to 39.7%	39.8% to 47.7%	47.8% 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	76.2%	67.5% or lower	67.6% to 73.4%	73.5% to 78.2%	78.3% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.21	0.21 or lower	0.22 to 0.33	0.34 to 0.43	0.44 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.