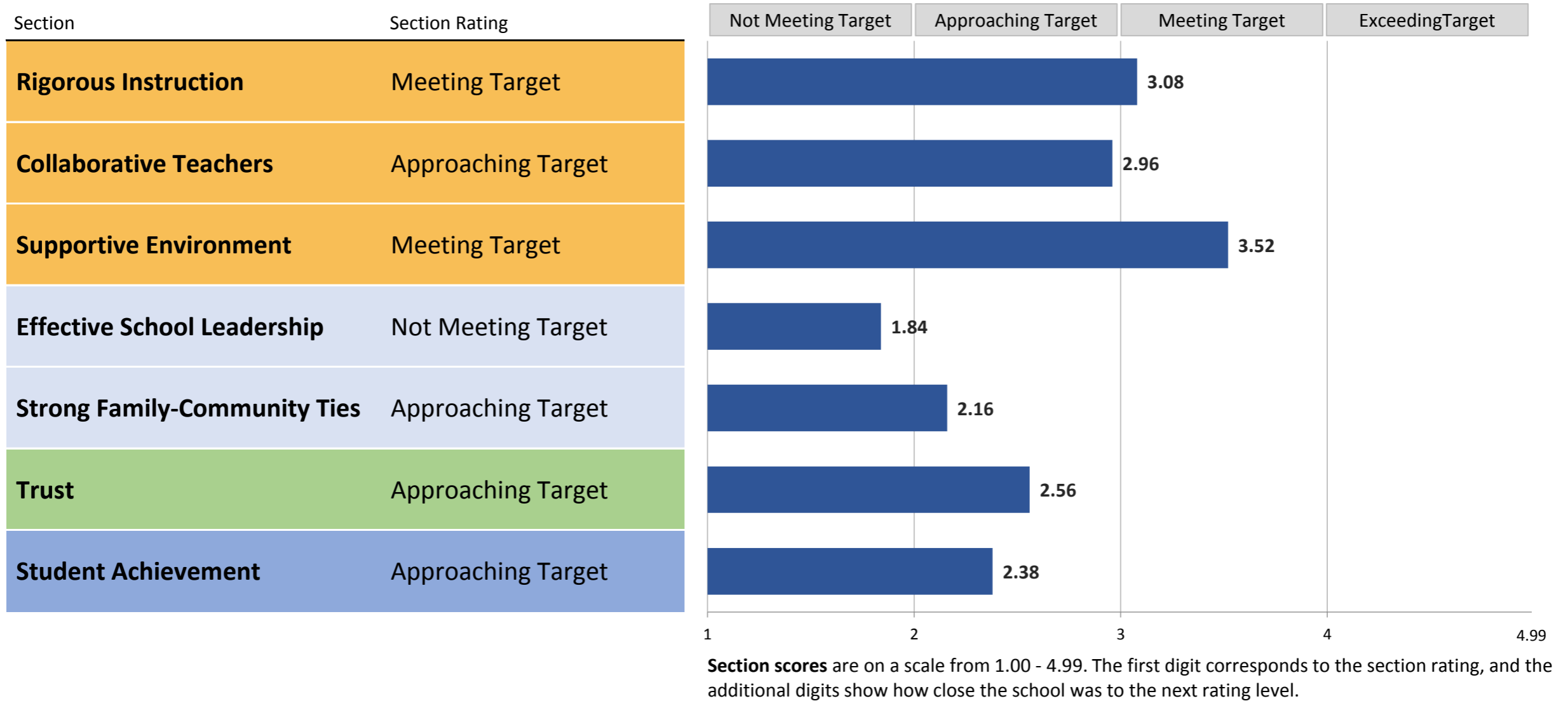


Framework for Great Schools

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 9	101	101	106
Grade 10	104	109	120
Grade 11	87	82	75
Grade 12	-	62	62
All students	292	354	363

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	3%	5%	6%
% Free Lunch Eligible	73%	73%	71%
% Student with IEPs	23%	25%	31%
% Student with IEPs (less than 20% time)	12%	14%	17%
% Overage Under-credited	10%	7%	6%
% HRA Eligible	-	54%	54%
% Temporary Housing	-	11%	9%
% Asian	4%	5%	6%
% Black	34%	33%	31%
% Hispanic	59%	58%	61%
% White	2%	3%	2%
% Other	0%	0%	1%
Average Incoming ELA Proficiency	2.59	2.30	2.25
Average Incoming Math Proficiency	2.78	2.18	2.16

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

08X367

Archimedes Academy for Math, Science and Technology Applications

Student Achievement Rating Approaching Target	Student Achievement Score 2.38
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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	86	67.4%	52.9%	65.8%	74.8%	83.2%	96.6%	2.18	5.38%
○ Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	29	44.8%	27.7%	46.1%	58.9%	71.0%	90.3%	1.93	5.38%
Percent of Students Earning 10+ Credits in 2nd Year	94	76.6%	46.4%	59.7%	68.9%	77.7%	91.8%	3.88	5.38%
● Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	30	66.7%	20.3%	39.2%	52.4%	64.9%	85.3%	4.09	5.38%
Percent of Students Earning 10+ Credits in 3rd Year	90	65.6%	44.0%	56.9%	65.9%	74.4%	88.5%	2.97	5.38%
Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	28	39.3%	19.0%	36.8%	49.2%	60.9%	80.7%	2.20	5.38%
Regents Performance									
○ Average Completion Rate for Remaining Regents	228	32.0%	20.5%	35.5%	45.1%	54.2%	71.8%	1.77	5.38%
○ Weighted Regents Pass Rate - ELA	83	0.58	0.47	0.70	0.86	1.02	1.27	1.48	5.38%
Weighted Regents Pass Rate - Math	112	0.92	0.30	0.69	0.95	1.21	1.60	2.88	5.38%
○ Weighted Regents Pass Rate - Science	109	0.48	0.33	0.72	0.98	1.22	1.65	1.38	5.38%
○ Weighted Regents Pass Rate - Global History	142	0.44	0.30	0.57	0.76	0.94	1.23	1.52	5.38%
○ Weighted Regents Pass Rate - U.S. History	98	0.57	0.31	0.63	0.84	1.05	1.37	1.81	5.38%
Graduation / Diploma									
4-Year Graduation Rate	86	58.1%	41.9%	54.4%	67.7%	77.1%	89.4%	2.28	8.06%
6-Year Graduation Rate	1		54.3%	64.5%	75.5%	83.3%	93.1%		0.00%
○ 4-Year Weighted Diploma Rate	86	132.0%	92.0%	132.6%	176.0%	206.8%	246.4%	1.99	8.06%
6-Year Weighted Diploma Rate	1		102.5%	139.3%	178.7%	206.6%	242.6%		0.00%
College and Career Readiness									
○ College and Career Preparatory Course Index	86	7.0%	0.0%	11.8%	27.2%	39.8%	56.5%	1.59	6.45%
4-Year College Readiness Index	86	14.0%	0.0%	6.1%	14.0%	20.5%	30.6%	3.00	6.45%
6-Year College Readiness Index with Persistence	1		14.9%	26.4%	39.7%	50.6%	67.1%		0.00%
Postsecondary Enrollment Rate - 6 Months	85	32.9%	18.9%	30.4%	44.3%	55.6%	71.7%	2.18	6.45%
Postsecondary Enrollment Rate - 18 Months	1		30.0%	40.7%	54.1%	65.1%	79.9%		0.00%
								Weighted Average Score	2.29

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	6	7.0%	12.6%	150.0%	25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
○ Self-Contained / ICT / SETSS	27	31.4%	79.7%	81.5%	0.0%	110.0%	197.0%	285.2%	420.0%	1.74	0.036	0.007
Lowest Third Citywide	46	53.5%	80.3%	88.0%	0.0%	71.2%	127.5%	184.6%	271.8%	2.30	0.036	0.012
Black / Hispanic Males in Lowest Third Citywide	30	34.9%	89.5%	96.7%	0.0%	65.3%	116.9%	169.2%	249.2%	2.61	0.036	0.015
College and Career Readiness												
○ Students in Lowest Third Citywide, College and Career Preparatory Course Index	46	53.5%	80.3%	0.0%	0.0%	7.3%	13.0%	18.9%	27.8%	1.00	0.036	0.000
● Students in Lowest Third Citywide, 4-Year College Readiness Index	46	53.5%	80.3%	6.5%	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	45	52.9%	87.0%	17.8%	0.0%	11.4%	20.4%	29.5%	43.4%	2.71	0.036	0.015
											CtAG Additional Points	0.09
											Overall Student Achievement Score	2.38

- 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 / HS
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
Credit Accumulation					
10+ Credits in 1st Year - All Students	67.4%	70.6% or lower	70.7% to 78.5%	78.6% to 84.1%	84.2% or higher
10+ Credits in 1st Year - School's Lowest Third	44.8%	51.8% or lower	51.9% to 62.9%	63.0% to 70.7%	70.8% or higher
10+ Credits in 2nd Year - All Students	76.6%	63.2% or lower	63.3% to 70.8%	70.9% to 76.1%	76.2% or higher
10+ Credits in 2nd Year - School's Lowest Third	66.7%	49.5% or lower	49.6% to 60.2%	60.3% to 67.6%	67.7% or higher
10+ Credits in 3rd Year - All Students	65.6%	61.5% or lower	61.6% to 69.2%	69.3% to 74.5%	74.6% or higher
10+ Credits in 3rd Year - School's Lowest Third	39.3%	47.7% or lower	47.8% to 58.2%	58.3% to 65.6%	65.7% or higher
Regents Performance					
Average Completion Rate for Remaining Regents	32.0%	34.9% or lower	35.0% to 41.8%	41.9% to 46.6%	46.7% or higher
Average Regents Score - English (non-Common Core)*	65.0	66.5 or lower	66.6 to 69.8	69.9 to 72.2	72.3 or higher
Average Regents Score - English (Common Core)*		69.3 or lower	69.4 to 73.1	73.2 to 75.8	75.9 or higher
Average Regents Score - Living Environment*	59.0	63.1 or lower	63.2 to 66.5	66.6 to 68.8	68.9 or higher
Average Regents Score - Global History*	56.0	58.1 or lower	58.2 to 61.6	61.7 to 64.9	65.0 or higher
Average Regents Score - US History*	62.0	65.5 or lower	65.6 to 69.5	69.6 to 72.3	72.4 or higher
Average Regents Score - Algebra I (Common Core)*	63.0	57.6 or lower	57.7 to 60.4	60.5 to 64.9	65.0 or higher
Graduation / Non-Dropout					
4-Year Graduation Rate	58.1%	63.1% or lower	63.2% to 70.3%	70.4% to 75.3%	75.4% or higher
6-Year Graduation Rate		67.8% or lower	67.9% to 73.4%	73.5% to 77.3%	77.4% or higher
4-Year Non-Dropout Rate	89.5%	80.0% or lower	80.1% to 84.3%	84.4% to 87.3%	87.4% or higher
6-Year Non-Dropout Rate		72.5% or lower	72.6% to 77.5%	77.6% to 81.0%	81.1% or higher
College and Career Readiness					
College and Career Preparatory Course Index	7.0%	29.3% or lower	29.4% to 42.3%	42.4% to 51.4%	51.5% or higher
4-Year College Readiness Index	14.0%	17.5% or lower	17.6% to 25.7%	25.8% to 31.5%	31.6% or higher
6-Year College Readiness Index with Persistence		35.6% or lower	35.7% to 42.5%	42.6% to 47.4%	47.5% or higher
Postsecondary Enrollment Rate - 6 Months	32.9%	42.7% or lower	42.8% to 51.1%	51.2% to 57.0%	57.1% or higher
Postsecondary Enrollment Rate - 18 Months		49.8% or lower	49.9% to 55.9%	56.0% to 60.2%	60.3% 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	50.0%	45.7% or lower	45.8% to 56.4%	56.5% to 64.0%	64.1% or higher
Self-Contained / ICT / SETSS	25.9%	40.3% or lower	40.4% to 51.7%	51.8% to 59.8%	59.9% or higher
Lowest Third Citywide					
Lowest Third Citywide	34.8%	37.6% or lower	37.7% to 48.6%	48.7% to 56.4%	56.5% or higher
Black / Hispanic Males in Lowest Third Citywide	36.7%	34.2% or lower	34.3% to 46.0%	46.1% to 54.3%	54.4% or higher
College and Career Readiness of Students in Lowest Third Citywide					
College and Career Preparatory Course Index	0.0%	12.9% or lower	13.0% to 19.5%	19.6% to 24.1%	24.2% or higher
4-Year College Readiness Index	6.5%	2.4% or lower	2.5% to 3.7%	3.8% to 4.9%	5.0% or higher
Postsecondary Enrollment Rate - 6 Months	17.8%	15.3% or lower	15.4% to 23.0%	23.1% to 28.5%	28.6% 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	63.5%	52.9% or lower	53.0% to 60.2%	60.3% to 69.9%	70.0% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.37	0.50 or lower	0.51 to 0.63	0.64 to 0.73	0.74 or higher