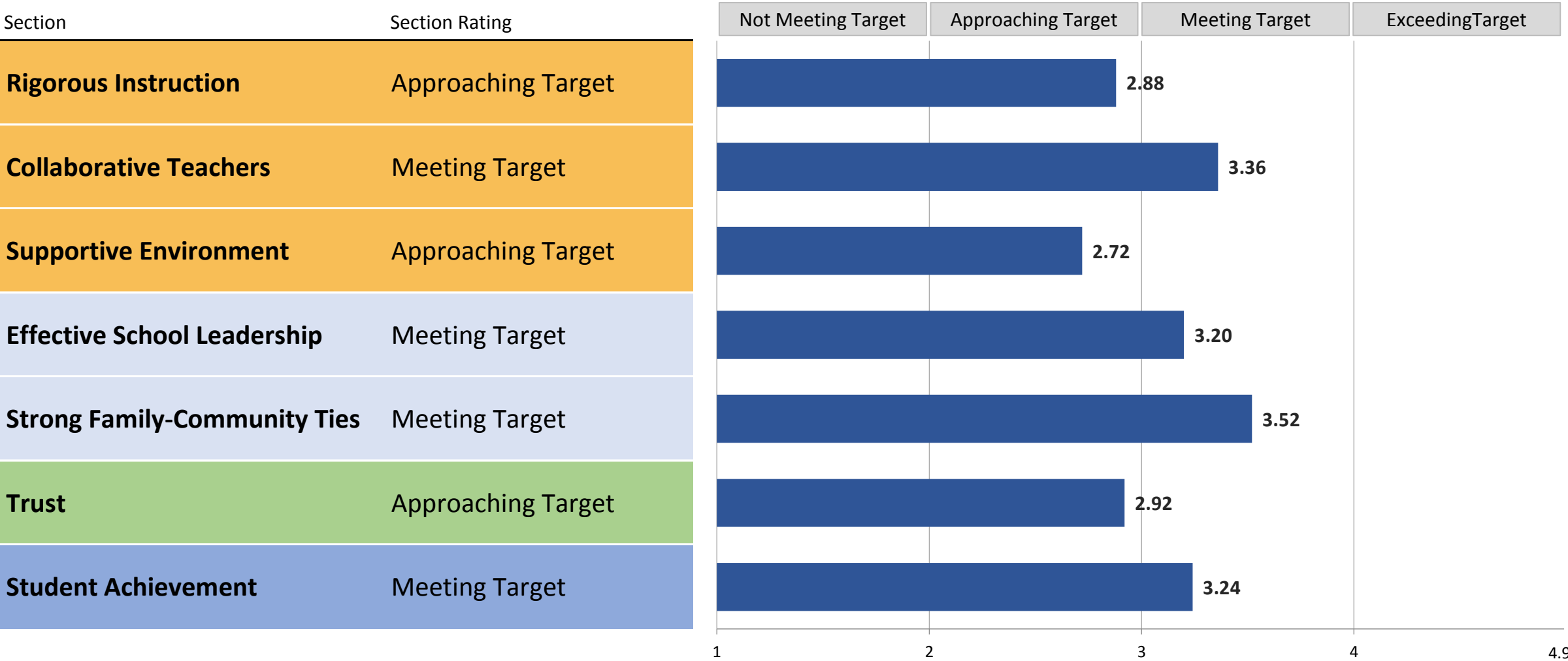


Framework for Great Schools

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>

2014-15 School Quality Guide / HS
School Enrollment and Demographic Data

13K419

Science Skills Center High School for Science, Technology and the Creative Arts

Student Enrollment

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Grade 9	202	178	179
Grade 10	126	179	131
Grade 11	88	83	133
Grade 12	118	97	85
All students	534	537	528

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	6%	6%	4%
% Free Lunch Eligible	65%	65%	67%
% Student with IEPs	17%	18%	19%
% Student with IEPs (less than 20% time)	8%	8%	8%
% Overage Under-credited	8%	5%	5%
% HRA Eligible	-	-	49%
% Temporary Housing	-	-	8%
% Asian	8%	7%	7%
% Black	74%	72%	70%
% Hispanic	14%	17%	18%
% White	2%	2%	2%
% Other	0%	2%	2%
Average Incoming ELA Proficiency	2.70	2.44	2.45
Average Incoming Math Proficiency	2.86	2.28	2.32

2014-15 School Quality Guide / HS

Student Achievement Scoring Appendix

13K419

Science Skills Center High School for Science, Technology and the Creative Arts

Student Achievement Rating	Student Achievement Score
Meeting Target	3.24

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	150	93.3%	61.0%	71.8%	79.1%	86.0%	97.0%	4.66	4.17%
●	Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	48	85.4%	34.2%	51.1%	62.7%	73.7%	91.4%	4.66	4.17%
	Percent of Students Earning 10+ Credits in 2nd Year	118	80.5%	53.4%	65.5%	73.6%	81.2%	93.6%	3.91	4.17%
	Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	34	64.7%	27.2%	45.0%	56.9%	68.2%	87.0%	3.69	4.17%
●	Percent of Students Earning 10+ Credits in 3rd Year	153	85.6%	51.3%	63.3%	71.0%	78.2%	90.6%	4.60	4.17%
●	Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	46	80.4%	26.1%	43.0%	54.3%	65.0%	83.3%	4.84	4.17%
Regents Performance										
	Average Completion Rate for Remaining Regents	249	45.4%	28.7%	44.6%	53.9%	62.7%	78.9%	2.09	4.17%
○	Weighted Regents Pass Rate - ELA	219	0.72	0.57	0.78	0.92	1.05	1.27	1.71	4.17%
○	Weighted Regents Pass Rate - Math	210	0.68	0.55	0.84	1.03	1.21	1.50	1.45	4.17%
	Weighted Regents Pass Rate - Science	203	0.92	0.51	0.88	1.09	1.30	1.68	2.19	4.17%
	Weighted Regents Pass Rate - Global History	256	0.72	0.40	0.64	0.80	0.96	1.21	2.50	4.17%
	Weighted Regents Pass Rate - U.S. History	121	0.85	0.46	0.72	0.90	1.07	1.34	2.72	4.17%
Graduation / Diploma										
	4-Year Graduation Rate	91	72.5%	49.4%	61.7%	73.6%	82.0%	92.9%	2.91	6.25%
	6-Year Graduation Rate	140	74.3%	58.8%	69.0%	79.5%	87.0%	96.3%	2.50	6.25%
	4-Year Weighted Diploma Rate	91	185.2%	107.3%	146.0%	185.4%	213.3%	250.0%	2.99	6.25%
	6-Year Weighted Diploma Rate	140	202.9%	111.5%	149.5%	189.3%	217.6%	253.1%	3.48	6.25%
College and Career Readiness										
	College and Career Preparatory Course Index	91	26.4%	0.1%	14.5%	33.5%	49.0%	67.6%	2.63	5.00%
	4-Year College Readiness Index	91	22.0%	0.5%	8.6%	19.1%	27.7%	38.6%	3.34	5.00%
	6-Year College Readiness Index with Persistence	140	38.6%	21.0%	32.9%	45.5%	55.7%	71.0%	2.45	5.00%
	Postsecondary Enrollment Rate - 6 Months	102	51.0%	25.3%	37.0%	49.7%	60.2%	75.1%	3.12	5.00%
	Postsecondary Enrollment Rate - 18 Months	140	56.4%	35.8%	46.4%	58.6%	68.5%	82.1%	2.82	5.00%
Weighted Average Score									3.09	

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	12	13.2%	23.7%	233.3%	25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
●	Self-Contained / ICT / SETSS	13	14.3%	36.3%	315.4%	0.0%	110.0%	197.0%	285.2%	420.0%	4.22	0.036	0.029
	Lowest Third Citywide	34	37.4%	56.2%	158.8%	0.0%	71.2%	127.5%	184.6%	271.8%	3.55	0.036	0.023
●	Black / Hispanic Males in Lowest Third Citywide	15	16.5%	42.3%	186.7%	0.0%	65.3%	116.9%	169.2%	249.2%	4.22	0.036	0.029
College and Career Readiness													
○	Students in Lowest Third Citywide, College and Career Preparatory Course Index	34	37.4%	56.2%	5.9%	0.0%	7.3%	13.0%	18.9%	27.8%	1.81	0.036	0.007
●	Students in Lowest Third Citywide, 4-Year College Readiness Index	34	37.4%	56.2%	5.9%	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	40	39.2%	64.5%	25.0%	0.0%	11.4%	20.4%	29.5%	43.4%	3.51	0.036	0.023
CtAG Additional Points												0.15	
Overall Student Achievement Score												3.24	

- 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	84%	2.72	34%
Section Rating: Approaching Target	Section Score:	2.88	

Collaborative Teachers			
Quality Review 4.2	Proficient	3.40	50%
NYC School Survey - Collaborative Teachers	84%	3.28	50%
Section Rating: Meeting Target	Section Score:	3.36	

Supportive Environment			
Quality Review 3.4	Developing	2.00	30%
NYC School Survey - Supportive Environment	74%	1.92	35%
Percentage of students with 90%+ attendance			
EMS			
HS	73.1%	4.04	
Overall	73.2%	4.04	30%
Movement of students with disabilities to less restrictive environments			
EMS			
HS	0.87	4.60	
Overall	0.87	4.60	5%
Section Rating: Approaching Target	Section Score:	2.72	

Effective School Leadership			
NYC School Survey - Effective School Leadership	79%	3.20	100%
Section Rating: Meeting Target	Section Score:	3.20	

Strong Family-Community Ties			
NYC School Survey - Strong Family-Community Ties	78%	3.52	100%
Section Rating: Meeting Target	Section Score:	3.52	

Trust			
NYC School Survey - Trust	84%	2.92	100%
Section Rating: Approaching Target	Section Score:	2.92	

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Rigorous Instruction							
Common Core shifts in literacy	Teachers	89	76.8	89.4	100.0	0.50	3.00
Common Core shifts in math	Teachers	83	69.2	85.8	100.0	0.45	2.80
○ Course clarity	Students	79	77.5	86.9	96.3	0.10	1.40
Quality of student discussion	Teachers	84	55.8	77.8	99.8	0.65	3.60
Section Results:		84%					2.72
Collaborative Teachers							
Cultural awareness:							
Cultural awareness	Teachers	96	85.4	94.4	100.0	0.75	
Cultural awareness	Parents	94	82.3	91.9	100.0	0.65	
Cultural awareness	Students	65	66.6	80.6	94.6	0.00	
Cultural awareness	Combined	85				0.47	2.88
● Inclusive classroom instruction	Teachers	95	82.7	93.1	100.0	0.75	4.00
Quality of professional development	Teachers	72	50.4	75.6	100.0	0.43	2.72
School commitment	Teachers	75	53.7	82.3	100.0	0.46	2.84
Innovation	Teachers	79	65.9	84.5	100.0	0.38	2.52
● Reflective dialogue	Teachers	100	85.1	95.3	100.0	1.00	4.99
Peer collaboration	Teachers	93	75.2	90.6	100.0	0.73	3.92
Focus on student learning	Teachers	79	60.0	85.2	100.0	0.48	2.92
Collective responsibility	Teachers	75	58.1	80.7	100.0	0.40	2.60
Section Results:		84%					3.28
Supportive Environment							
Safety:							
Safety	Teachers						
Safety	Students	75	67.5	82.9	98.3	0.24	
○ Safety	Combined	75				0.24	1.96
Classroom behavior:							
Classroom behavior	Teachers						
Classroom behavior	Students	73	68.3	82.1	95.9	0.18	
○ Classroom behavior	Combined	73				0.18	1.72
● Social-emotional measure	Teachers	95	86.6	95.2	100.0	0.75	4.00
○ Peer interactions	Students	63	58.2	74.4	90.6	0.15	1.60
○ Next-level guidance	Students	69	71.4	83.6	95.8	0.00	1.00
Press toward academic achievement:							
Press toward academic achievement	Teachers						
Press toward academic achievement	Students	79	76.3	86.1	95.9	0.11	
○ Press toward academic achievement	Combined	79				0.11	1.44
○ Personal attention and support	Students	67	69.0	81.8	94.6	0.00	1.00
Peer support for academic work:							
Peer support for academic work	Teachers						
Peer support for academic work	Parents	84	68.1	85.5	100.0	0.50	
Peer support for academic work	Students	53	41.0	61.6	82.2	0.30	
Peer support for academic work	Combined	69				0.40	2.60
Section Results:		74%					1.92

		Survey % Positive	City Range			Percent of Range	Score	
			Bottom of Range	City Avg	Top of Range			
Effective School Leadership								
	Inclusive principal leadership	Parents	92	76.5	88.9	100.0	0.65	3.60
○	Teacher influence	Teachers	54	40.6	71.4	100.0	0.22	1.88
	Program coherence	Teachers	86	57.0	82.6	100.0	0.67	3.68
	Principal instructional leadership	Teachers	85	58.2	84.6	100.0	0.65	3.60
Section Results:			79%					3.20
Strong Family Community Ties								
Teacher outreach to parents:								
	Teacher outreach to parents	Teachers	94	75.2	89.0	100.0	0.77	
	Teacher outreach to parents	Parents	91	76.7	88.1	99.5	0.65	
	Teacher outreach to parents	Combined	93				0.71	3.84
	Parent involvement in the schools	Parents	63	41.2	61.0	80.8	0.54	3.16
Section Results:			78%					3.52
Trust								
●	Parent-teacher trust	Parents	95	84.9	93.1	100.0	0.75	4.00
●	Parent-principal trust	Parents	95	84.5	93.7	100.0	0.75	4.00
○	Student-teacher trust	Students	68	68.5	81.1	93.7	0.00	1.00
	Teacher-principal trust	Teachers	74	55.0	84.0	100.0	0.43	2.72
	Teacher-teacher trust	Teachers	88	75.7	90.9	100.0	0.49	2.96
Section Results:			84%					2.92

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
Credit Accumulation					
10+ Credits in 1st Year - All Students	93.3%	73.6% or lower	73.7% to 80.9%	81.0% to 86.1%	86.2% or higher
10+ Credits in 1st Year - School's Lowest Third	85.4%	59.2% or lower	59.3% to 70.3%	70.4% to 78.0%	78.1% or higher
10+ Credits in 2nd Year - All Students	80.5%	72.8% or lower	72.9% to 80.4%	80.5% to 85.7%	85.8% or higher
10+ Credits in 2nd Year - School's Lowest Third	64.7%	53.1% or lower	53.2% to 63.8%	63.9% to 71.3%	71.4% or higher
10+ Credits in 3rd Year - All Students	85.6%	68.2% or lower	68.3% to 75.9%	76.0% to 81.3%	81.4% or higher
10+ Credits in 3rd Year - School's Lowest Third	80.4%	53.0% or lower	53.1% to 63.6%	63.7% to 71.0%	71.1% or higher
Regents Performance					
Average Completion Rate for Remaining Regents	45.4%	49.9% or lower	50.0% to 56.8%	56.9% to 61.6%	61.7% or higher
Average Regents Score - English (non-Common Core)*	66.0	68.7 or lower	68.8 to 72.0	72.1 to 74.4	74.5 or higher
Average Regents Score - English (Common Core)*	69.0	73.9 or lower	74.0 to 77.7	77.8 to 80.4	80.5 or higher
Average Regents Score - Living Environment*	68.0	65.5 or lower	65.6 to 68.8	68.9 to 71.2	71.3 or higher
Average Regents Score - Global History*	64.0	63.3 or lower	63.4 to 66.9	67.0 to 69.4	69.5 or higher
Average Regents Score - US History*	68.0	70.2 or lower	70.3 to 74.2	74.3 to 77.0	77.1 or higher
Average Regents Score - Algebra I (Common Core)*	61.0	59.7 or lower	59.8 to 62.4	62.5 to 64.9	65.0 or higher
Graduation / Non-Dropout					
4-Year Graduation Rate	72.5%	74.8% or lower	74.9% to 81.8%	81.9% to 86.7%	86.8% or higher
6-Year Graduation Rate	74.3%	76.2% or lower	76.3% to 81.8%	81.9% to 85.7%	85.8% or higher
4-Year Non-Dropout Rate	84.6%	86.6% or lower	86.7% to 90.3%	90.4% to 92.9%	93.0% or higher
6-Year Non-Dropout Rate	79.3%	78.8% or lower	78.9% to 83.8%	83.9% to 87.3%	87.4% or higher
College and Career Readiness					
College and Career Preparatory Course Index	26.4%	36.7% or lower	36.8% to 49.6%	49.7% to 58.7%	58.8% or higher
4-Year College Readiness Index	22.0%	25.9% or lower	26.0% to 34.1%	34.2% to 39.9%	40.0% or higher
6-Year College Readiness Index with Persistence	38.6%	46.7% or lower	46.8% to 53.6%	53.7% to 58.5%	58.6% or higher
Postsecondary Enrollment Rate - 6 Months	51.0%	56.3% or lower	56.4% to 64.7%	64.8% to 70.6%	70.7% or higher
Postsecondary Enrollment Rate - 18 Months	56.4%	59.1% or lower	59.2% to 65.2%	65.3% to 69.5%	69.6% 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	2015-16 Targets			
	School Value	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Four-Year Graduation Rate					
English Language Learners	83.3%	59.0% or lower	59.1% to 69.7%	69.8% to 77.3%	77.4% or higher
Self-Contained / ICT / SETSS	76.9%	45.8% or lower	45.9% to 57.3%	57.4% to 65.3%	65.4% or higher
Lowest Third Citywide					
Lowest Third Citywide	55.9%	48.2% or lower	48.3% to 59.2%	59.3% to 67.0%	67.1% or higher
Black / Hispanic Males in Lowest Third Citywide	53.3%	46.3% or lower	46.4% to 58.1%	58.2% to 66.4%	66.5% or higher
College and Career Readiness of Students in Lowest Third Citywide					
College and Career Preparatory Course Index	5.9%	14.1% or lower	14.2% to 21.3%	21.4% to 26.4%	26.5% or higher
4-Year College Readiness Index	5.9%	3.7% or lower	3.8% to 5.6%	5.7% to 6.9%	7.0% or higher
Postsecondary Enrollment Rate - 6 Months	25.0%	26.1% or lower	26.2% to 34.8%	34.9% to 40.9%	41.0% 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	2015-16 Targets			
	School Value	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Percentage of Students with 90%+ Attendance	73.2%	60.8% or lower	60.9% to 68.1%	68.2% to 73.2%	73.3% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.87	0.45 or lower	0.46 to 0.60	0.61 to 0.71	0.72 or higher