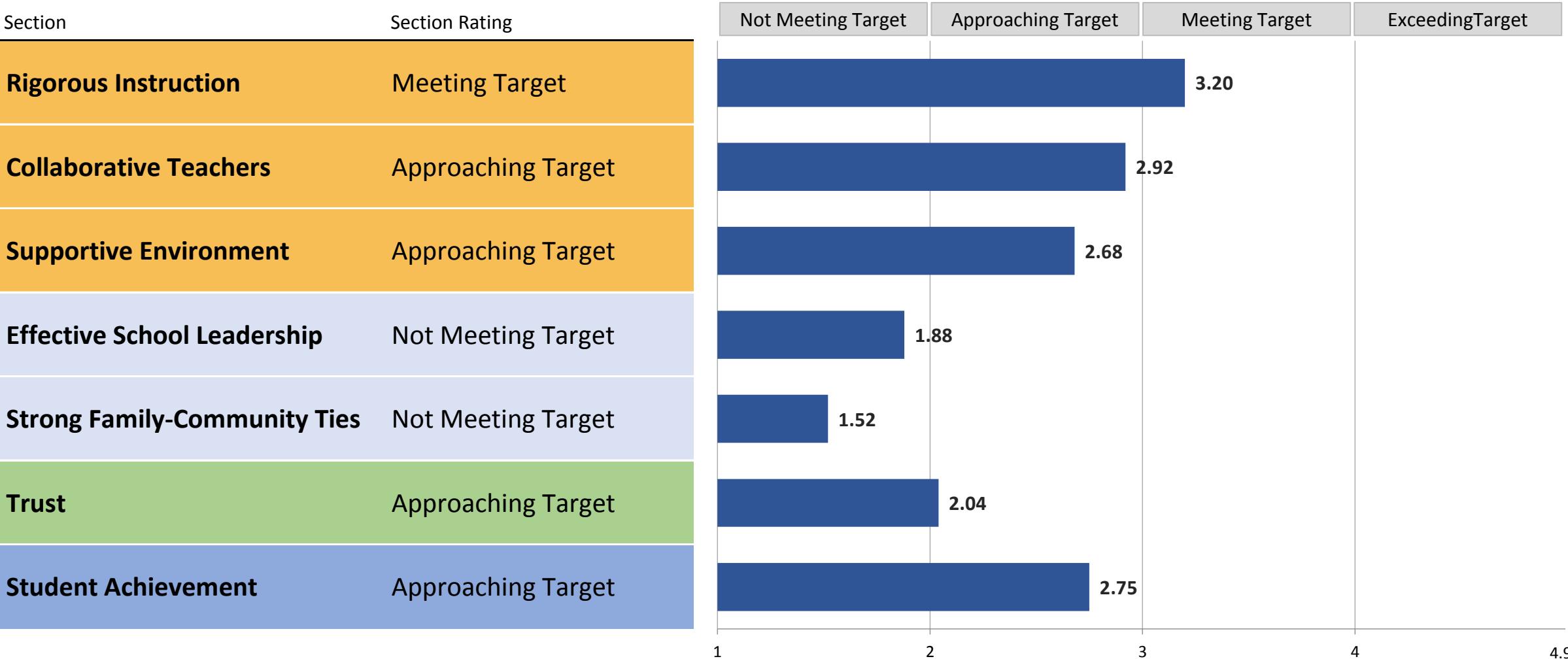


Framework for Great Schools

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

02M655

Life Sciences Secondary School

#### Student Enrollment

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Grade 9	155	170	164
Grade 10	174	153	142
Grade 11	159	161	142
Grade 12	130	174	153
<b>All students</b>	<b>618</b>	<b>658</b>	<b>601</b>

#### Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	7%	9%	7%
% Free Lunch Eligible	66%	66%	69%
% Student with IEPs	19%	20%	21%
% Student with IEPs (less than 20% time)	7%	7%	8%
% Overage Under-credited	7%	6%	5%
% HRA Eligible	-	67%	60%
% Temporary Housing	-	12%	11%
% Asian	4%	4%	4%
% Black	30%	27%	28%
% Hispanic	61%	64%	62%
% White	3%	3%	3%
% Other	0%	2%	2%
Average Incoming ELA Proficiency	2.68	2.37	2.38
Average Incoming Math Proficiency	2.91	2.28	2.28

Student Achievement Rating	Student Achievement Score
Approaching Target	2.75

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	157	65.0%	60.1%	71.1%	78.6%	85.7%	97.0%	1.45	4.17%
○	Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	49	40.8%	33.6%	50.5%	62.2%	73.1%	90.9%	1.43	4.17%
	Percent of Students Earning 10+ Credits in 2nd Year	142	66.2%	52.8%	65.2%	73.5%	81.3%	94.0%	2.12	4.17%
	Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	46	50.0%	26.9%	45.1%	57.5%	69.1%	88.2%	2.40	4.17%
	Percent of Students Earning 10+ Credits in 3rd Year	136	68.4%	51.6%	63.6%	71.4%	78.7%	91.1%	2.62	4.17%
○	Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	40	40.0%	25.6%	43.2%	55.0%	66.2%	84.9%	1.82	4.17%
Regents Performance										
○	Average Completion Rate for Remaining Regents	322	39.9%	28.3%	44.3%	53.7%	62.6%	79.0%	1.73	4.17%
	Weighted Regents Pass Rate - ELA	131	0.95	0.57	0.78	0.92	1.05	1.27	3.23	4.17%
	Weighted Regents Pass Rate - Math	217	0.85	0.51	0.81	1.01	1.20	1.51	2.20	4.17%
○	Weighted Regents Pass Rate - Science	181	0.75	0.46	0.84	1.07	1.29	1.69	1.76	4.17%
○	Weighted Regents Pass Rate - Global History	182	0.61	0.37	0.62	0.79	0.95	1.21	1.96	4.17%
○	Weighted Regents Pass Rate - U.S. History	164	0.69	0.46	0.72	0.90	1.07	1.34	1.88	4.17%
Graduation / Diploma										
	4-Year Graduation Rate	154	81.2%	48.4%	61.1%	73.9%	82.9%	94.2%	3.81	6.25%
○	6-Year Graduation Rate	132	68.9%	58.7%	69.0%	79.8%	87.4%	96.8%	1.99	6.25%
	4-Year Weighted Diploma Rate	154	209.4%	105.7%	145.8%	187.0%	216.3%	253.8%	3.76	6.25%
	6-Year Weighted Diploma Rate	132	205.3%	111.7%	149.8%	189.8%	218.1%	253.6%	3.55	6.25%
College and Career Readiness										
	College and Career Preparatory Course Index	154	22.1%	0.1%	14.2%	32.6%	47.7%	66.0%	2.43	5.00%
	4-Year College Readiness Index	154	26.0%	1.7%	9.0%	18.5%	26.3%	36.6%	3.96	5.00%
	6-Year College Readiness Index with Persistence	132	51.5%	21.5%	33.4%	45.7%	55.7%	70.8%	3.58	5.00%
	Postsecondary Enrollment Rate - 6 Months	147	53.7%	24.9%	36.8%	49.9%	60.7%	75.7%	3.35	5.00%
	Postsecondary Enrollment Rate - 18 Months	132	56.8%	36.2%	46.8%	59.0%	68.9%	82.5%	2.82	5.00%
Weighted Average Score									2.65	

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	16	10.4%	18.7%	193.8%	25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
	Self-Contained / ICT / SETSS	30	19.5%	49.5%	260.0%	0.0%	110.0%	197.0%	285.2%	420.0%	3.71	0.036	0.024
	Lowest Third Citywide	46	29.9%	44.9%	170.7%	0.0%	71.2%	127.5%	184.6%	271.8%	3.76	0.036	0.025
	Black / Hispanic Males in Lowest Third Citywide	22	14.3%	36.7%	154.5%	0.0%	65.3%	116.9%	169.2%	249.2%	3.72	0.036	0.025
College and Career Readiness													
○	Students in Lowest Third Citywide, College and Career Preparatory Course Index	46	29.9%	44.9%	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	29.9%	44.9%	0.0%	0.0%	1.4%	2.5%	3.7%	5.4%	1.00	0.036	0.000
●	Students in the Lowest Third Citywide, Postsecondary Enrollment Rate - 6 Months	60	40.8%	67.1%	30.0%	0.0%	11.4%	20.4%	29.5%	43.4%	4.04	0.036	0.027
CtAG Additional Points												0.10	
Overall Student Achievement Score												2.75	

● 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
<b>Rigorous Instruction</b>			
Quality Review 1.1	Proficient	3.40	22%
Quality Review 1.2	Proficient	3.40	22%
Quality Review 2.2	Developing	2.00	22%
NYC School Survey - Rigorous Instruction	90%	3.68	34%
Section Rating: Meeting Target	Section Score:	3.20	

<b>Collaborative Teachers</b>			
Quality Review 4.2	Developing	2.00	50%
NYC School Survey - Collaborative Teachers	90%	3.84	50%
Section Rating: Approaching Target	Section Score:	2.92	

<b>Supportive Environment</b>			
Quality Review 3.4	Proficient	3.40	30%
NYC School Survey - Supportive Environment	77%	2.32	35%
Percentage of students with 90%+ attendance			
EMS	70.0%	2.48	
HS	47.2%	2.04	
Overall	58.6%	2.24	30%
Movement of students with disabilities to less restrictive environments			
EMS	0.63	4.25	
HS	0.57	3.46	
Overall	0.60	3.86	5%
Section Rating: Approaching Target	Section Score:	2.68	

<b>Effective School Leadership</b>			
NYC School Survey - Effective School Leadership	67%	1.88	100%
Section Rating: Not Meeting Target	Section Score:	1.88	

<b>Strong Family-Community Ties</b>			
NYC School Survey - Strong Family-Community Ties	65%	1.52	100%
Section Rating: Not Meeting Target	Section Score:	1.52	

<b>Trust</b>			
NYC School Survey - Trust	81%	2.04	100%
Section Rating: Approaching Target	Section Score:	2.04	

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

02M655  
 Life Sciences Secondary School

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Rigorous Instruction							
● Common Core shifts in literacy	Teachers	96	78.0	90.2	100.0	0.82	4.28
● Common Core shifts in math	Teachers	96	73.4	86.8	100.0	0.86	4.44
Course clarity	Students	87	79.8	87.6	95.4	0.44	2.76
Quality of student discussion	Teachers	81	58.6	79.2	99.8	0.55	3.20
Section Results:		90%					3.68
Collaborative Teachers							
Cultural awareness:							
Cultural awareness	Teachers	98	85.7	94.3	100.0	0.88	
Cultural awareness	Parents	84	85.4	92.4	99.4	0.00	
Cultural awareness	Students	74	69.5	80.9	92.3	0.20	
Cultural awareness	Combined	85				0.36	2.44
● Inclusive classroom instruction	Teachers	98	81.4	92.4	100.0	0.91	4.64
Quality of professional development	Teachers	78	45.8	75.2	100.0	0.60	3.40
School commitment	Teachers	90	60.1	85.3	100.0	0.74	3.96
Innovation	Teachers	87	63.0	84.2	100.0	0.65	3.60
● Reflective dialogue	Teachers	99	85.6	95.2	100.0	0.90	4.60
Peer collaboration	Teachers	93	72.0	89.8	100.0	0.74	3.96
● Focus on student learning	Teachers	94	64.0	86.6	100.0	0.82	4.28
Collective responsibility	Teachers	86	54.5	80.5	100.0	0.68	3.72
Section Results:		90%					3.84
Supportive Environment							
Safety:							
Safety	Teachers						
Safety	Students	70	69.7	83.1	96.5	0.01	
○ Safety	Combined	70				0.01	1.04
Classroom behavior:							
Classroom behavior	Teachers						
Classroom behavior	Students	80	67.0	80.4	93.8	0.47	
Classroom behavior	Combined	80				0.47	2.88
● Social-emotional measure	Teachers	100	86.5	95.3	100.0	1.00	4.99
○ Peer interactions	Students	68	63.1	76.5	89.9	0.20	1.80
Next-level guidance	Students	78	72.1	83.3	94.5	0.27	2.08
Press toward academic achievement:							
Press toward academic achievement	Teachers						
Press toward academic achievement	Students	84	80.3	87.9	95.5	0.27	
Press toward academic achievement	Combined	84				0.27	2.08
Personal attention and support	Students	78	73.6	83.0	92.4	0.25	2.00
Peer support for academic work:							
Peer support for academic work	Teachers						
Peer support for academic work	Parents	62	72.8	86.8	100.0	0.00	
Peer support for academic work	Students	54	45.3	61.7	78.1	0.26	
○ Peer support for academic work	Combined	58				0.13	1.52
Section Results:		77%					2.32

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
○ Inclusive principal leadership	Parents	74	76.7	88.9	100.0	0.00	1.00
○ Teacher influence	Teachers	52	44.5	71.1	97.7	0.14	1.56
○ Program coherence	Teachers	82	52.0	80.8	100.0	0.63	3.52
○ Principal instructional leadership	Teachers	61	56.6	85.0	100.0	0.10	1.40
Section Results:		67%					1.88
Strong Family Community Ties							
Teacher outreach to parents:							
○ Teacher outreach to parents	Teachers	88	77.3	90.9	100.0	0.47	
○ Teacher outreach to parents	Parents	73	76.9	88.1	99.3	0.00	
○ Teacher outreach to parents	Combined	80				0.24	1.96
○ Parent involvement in the schools	Parents	49	48.2	65.0	81.8	0.02	1.08
Section Results:		65%					1.52
Trust							
○ Parent-teacher trust	Parents	83	86.5	93.3	100.0	0.00	1.00
○ Parent-principal trust	Parents	83	84.5	93.1	100.0	0.00	1.00
○ Student-teacher trust	Students	75	69.1	79.9	90.7	0.25	2.00
○ Teacher-principal trust	Teachers	65	56.9	85.9	100.0	0.18	1.72
● Teacher-teacher trust	Teachers	97	74.0	90.8	100.0	0.87	4.48
Section Results:		81%					2.04



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	65.0%	69.2% or lower	69.3% to 77.2%	77.3% to 82.8%	82.9% or higher
10+ Credits in 1st Year - School's Lowest Third	40.8%	53.5% or lower	53.6% to 64.5%	64.6% to 72.3%	72.4% or higher
10+ Credits in 2nd Year - All Students	66.2%	69.4% or lower	69.5% to 77.0%	77.1% to 82.3%	82.4% or higher
10+ Credits in 2nd Year - School's Lowest Third	50.0%	53.7% or lower	53.8% to 64.3%	64.4% to 71.8%	71.9% or higher
10+ Credits in 3rd Year - All Students	68.4%	66.8% or lower	66.9% to 74.5%	74.6% to 79.8%	79.9% or higher
10+ Credits in 3rd Year - School's Lowest Third	40.0%	55.6% or lower	55.7% to 66.2%	66.3% to 73.6%	73.7% or higher
Regents Performance					
Average Completion Rate for Remaining Regents	39.9%	46.9% or lower	47.0% to 53.8%	53.9% to 58.7%	58.8% or higher
Average Regents Score - English (non-Common Core)*	70.0	68.0 or lower	68.1 to 71.3	71.4 to 73.6	73.7 or higher
Average Regents Score - English (Common Core)*		73.5 or lower	73.6 to 77.3	77.4 to 79.9	80.0 or higher
Average Regents Score - Living Environment*	64.0	64.0 or lower	64.1 to 67.4	67.5 to 69.7	69.8 or higher
Average Regents Score - Global History*	63.0	60.8 or lower	60.9 to 64.3	64.4 to 66.8	66.9 or higher
Average Regents Score - US History*	66.0	68.9 or lower	69.0 to 72.9	73.0 to 75.7	75.8 or higher
Average Regents Score - Algebra I (Common Core)*	62.0	58.3 or lower	58.4 to 61.1	61.2 to 64.9	65.0 or higher
Graduation / Non-Dropout					
4-Year Graduation Rate	81.2%	68.5% or lower	68.6% to 75.7%	75.8% to 80.7%	80.8% or higher
6-Year Graduation Rate	68.9%	77.1% or lower	77.2% to 82.7%	82.8% to 86.6%	86.7% or higher
4-Year Non-Dropout Rate	90.9%	84.4% or lower	84.5% to 88.7%	88.8% to 91.7%	91.8% or higher
6-Year Non-Dropout Rate	73.5%	80.3% or lower	80.4% to 85.2%	85.3% to 88.7%	88.8% or higher
College and Career Readiness					
College and Career Preparatory Course Index	22.1%	26.0% or lower	26.1% to 39.0%	39.1% to 48.1%	48.2% or higher
4-Year College Readiness Index	26.0%	18.7% or lower	18.8% to 27.0%	27.1% to 32.7%	32.8% or higher
6-Year College Readiness Index with Persistence	51.5%	46.8% or lower	46.9% to 53.7%	53.8% to 58.6%	58.7% or higher
Postsecondary Enrollment Rate - 6 Months	53.7%	55.3% or lower	55.4% to 63.6%	63.7% to 69.5%	69.6% or higher
Postsecondary Enrollment Rate - 18 Months	56.8%	58.8% or lower	58.9% to 65.0%	65.1% to 69.3%	69.4% 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	68.8%	52.4% or lower	52.5% to 63.1%	63.2% to 70.7%	70.8% or higher
Self-Contained / ICT / SETSS	53.3%	41.6% or lower	41.7% to 53.1%	53.2% to 61.1%	61.2% or higher
Lowest Third Citywide	56.5%	44.5% or lower	44.6% to 55.5%	55.6% to 63.3%	63.4% or higher
Black / Hispanic Males in Lowest Third Citywide	54.5%	41.2% or lower	41.3% to 53.0%	53.1% to 61.3%	61.4% or higher
College and Career Readiness of Students in Lowest Third Citywide					
College and Career Preparatory Course Index	0.0%	10.7% or lower	10.8% to 16.1%	16.2% to 20.0%	20.1% or higher
4-Year College Readiness Index	0.0%	3.4% or lower	3.5% to 5.2%	5.3% to 6.5%	6.6% or higher
Postsecondary Enrollment Rate - 6 Months	30.0%	27.1% or lower	27.2% to 35.8%	35.9% to 42.0%	42.1% 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	47.1%	53.4% or lower	53.5% to 60.7%	60.8% to 69.9%	70.0% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.57	0.49 or lower	0.50 to 0.63	0.64 to 0.73	0.74 or higher