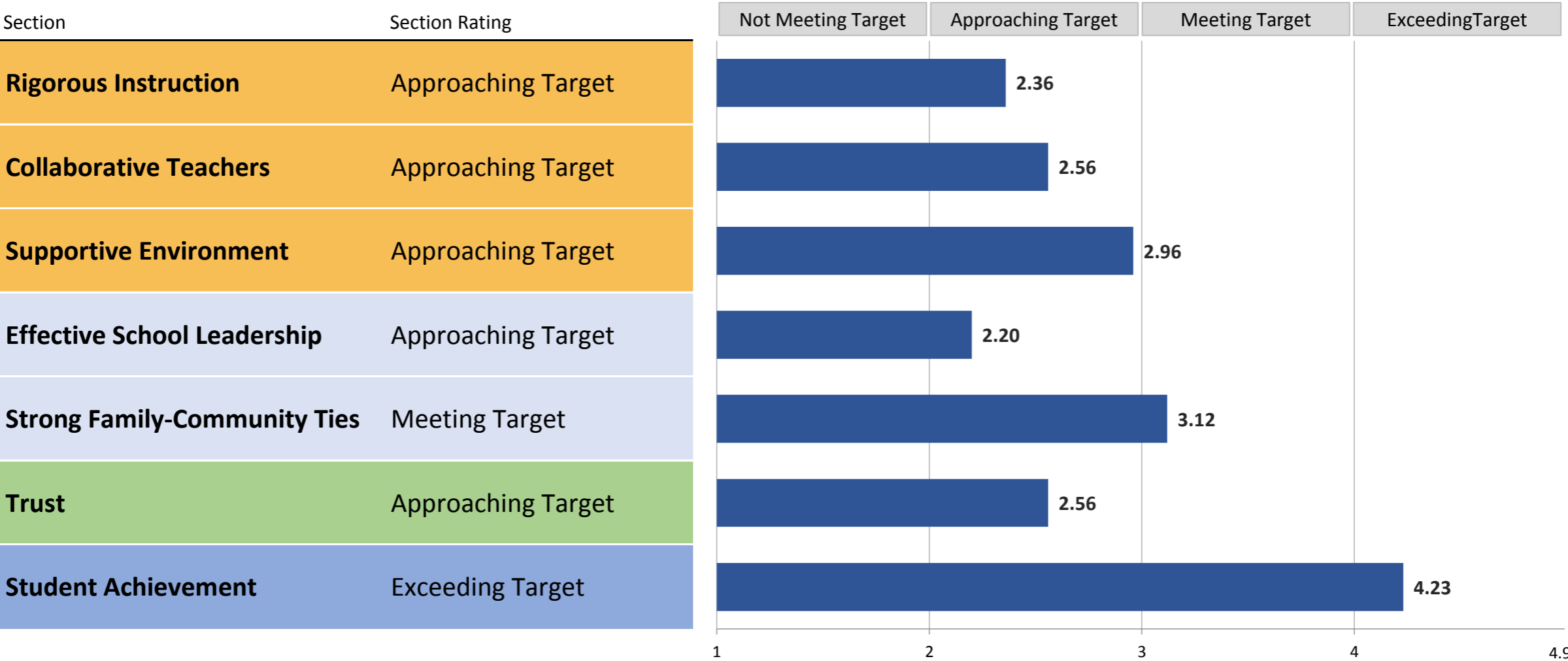


Framework for Great Schools

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: Reward

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**

13K674

City Polytechnic High School of Engineering, Architecture, and Technology

**Student Enrollment**

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Grade 9	115	124	133
Grade 10	120	124	102
Grade 11	105	4	108
Grade 12	86	199	115
<b>All students</b>	<b>426</b>	<b>451</b>	<b>458</b>

**Student Demographics**

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	3%	3%	2%
% Free Lunch Eligible	61%	61%	61%
% Student with IEPs	19%	21%	22%
% Student with IEPs (less than 20% time)	8%	8%	8%
% Overage Under-credited	4%	4%	5%
% HRA Eligible	-	-	36%
% Temporary Housing	-	-	5%
% Asian	7%	7%	7%
% Black	63%	65%	70%
% Hispanic	24%	22%	20%
% White	4%	4%	3%
% Other	0%	2%	1%
Average Incoming ELA Proficiency	2.77	2.53	2.55
Average Incoming Math Proficiency	3.02	2.44	2.49

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

13K674

City Polytechnic High School of Engineering, Architecture, and Technology

Student Achievement Rating	Student Achievement Score
Exceeding Target	4.23

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	115	93.9%	63.7%	74.1%	80.7%	87.0%	97.1%	4.68	4.17%
●	Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	36	83.3%	36.6%	53.3%	64.6%	75.2%	92.4%	4.47	4.17%
●	Percent of Students Earning 10+ Credits in 2nd Year	106	93.4%	57.3%	69.0%	76.4%	83.3%	94.8%	4.88	4.17%
●	Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	33	90.9%	30.9%	48.4%	60.0%	70.8%	88.9%	4.99	4.17%
●	Percent of Students Earning 10+ Credits in 3rd Year	101	86.1%	56.3%	67.9%	74.8%	81.2%	92.4%	4.44	4.17%
●	Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	30	76.7%	31.2%	48.1%	58.9%	69.1%	86.4%	4.44	4.17%
Regents Performance										
	Average Completion Rate for Remaining Regents	177	63.8%	32.2%	48.9%	58.5%	67.6%	83.5%	3.58	4.17%
	Weighted Regents Pass Rate - ELA	126	0.98	0.62	0.82	0.95	1.07	1.27	3.25	4.17%
	Weighted Regents Pass Rate - Math	193	0.90	0.61	0.89	1.08	1.25	1.53	2.05	4.17%
○	Weighted Regents Pass Rate - Science	139	0.80	0.52	0.89	1.11	1.32	1.70	1.76	4.17%
	Weighted Regents Pass Rate - Global History	130	0.69	0.44	0.68	0.83	0.98	1.22	2.07	4.17%
	Weighted Regents Pass Rate - U.S. History	229	0.86	0.55	0.80	0.97	1.12	1.37	2.35	4.17%
Graduation / Diploma										
●	4-Year Graduation Rate	124	88.7%	53.0%	65.6%	77.3%	85.7%	96.1%	4.29	6.25%
●	6-Year Graduation Rate	100	94.0%	62.4%	72.6%	82.7%	89.9%	98.7%	4.47	6.25%
●	4-Year Weighted Diploma Rate	124	251.2%	121.8%	158.9%	193.7%	218.3%	251.6%	4.99	6.25%
●	6-Year Weighted Diploma Rate	100	237.0%	120.4%	157.3%	194.9%	221.5%	255.2%	4.46	6.25%
College and Career Readiness										
●	College and Career Preparatory Course Index	124	73.4%	3.6%	19.8%	41.0%	58.4%	79.0%	4.73	5.00%
●	4-Year College Readiness Index	124	61.3%	2.3%	12.9%	27.0%	38.5%	52.2%	4.99	5.00%
●	6-Year College Readiness Index with Persistence	100	70.0%	24.9%	38.7%	53.9%	66.2%	82.0%	4.24	5.00%
	Postsecondary Enrollment Rate - 6 Months	86	55.8%	29.0%	42.4%	57.5%	69.8%	85.2%	2.89	5.00%
●	Postsecondary Enrollment Rate - 18 Months	100	89.0%	40.4%	52.2%	65.5%	76.4%	90.0%	4.93	5.00%
Weighted Average Score									4.02	

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	7	5.6%	10.1%	285.7%	25.9%	103.0%	163.9%	225.7%	320.1%		0.036	0.000
●	Self-Contained / ICT / SETSS	21	16.9%	42.9%	407.1%	0.0%	110.0%	197.0%	285.2%	420.0%	4.90	0.036	0.035
●	Lowest Third Citywide	29	23.4%	35.1%	271.4%	0.0%	71.2%	127.5%	184.6%	271.8%	4.89	0.036	0.035
●	Black / Hispanic Males in Lowest Third Citywide	27	21.8%	55.9%	242.3%	0.0%	65.3%	116.9%	169.2%	249.2%	4.80	0.036	0.034
College and Career Readiness													
●	Students in Lowest Third Citywide, College and Career Preparatory Course Index	29	23.4%	35.1%	41.4%	0.0%	7.3%	13.0%	18.9%	27.8%	4.99	0.036	0.036
●	Students in Lowest Third Citywide, 4-Year College Readiness Index	29	23.4%	35.1%	20.7%	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	37	43.0%	70.7%	35.1%	0.0%	11.4%	20.4%	29.5%	43.4%	4.40	0.036	0.031
CtAG Additional Points												0.21	
Overall Student Achievement Score													4.23

- 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	Developing	2.00	22%
Quality Review 1.2	Developing	2.00	22%
Quality Review 2.2	Developing	2.00	22%
NYC School Survey - Rigorous Instruction	83%	3.00	34%
Section Rating: Approaching Target	Section Score:	2.36	

<b>Collaborative Teachers</b>			
Quality Review 4.2	Proficient	3.40	50%
NYC School Survey - Collaborative Teachers	71%	1.68	50%
Section Rating: Approaching Target	Section Score:	2.56	

<b>Supportive Environment</b>			
Quality Review 3.4	Proficient	3.40	30%
NYC School Survey - Supportive Environment	80%	2.64	35%
Percentage of students with 90%+ attendance			
EMS			
HS	64.0%	2.92	
Overall	64.0%	2.92	30%
Movement of students with disabilities to less restrictive environments			
EMS			
HS	0.38	2.56	
Overall	0.38	2.56	5%
Section Rating: Approaching Target	Section Score:	2.96	

<b>Effective School Leadership</b>			
NYC School Survey - Effective School Leadership	69%	2.20	100%
Section Rating: Approaching Target	Section Score:	2.20	

<b>Strong Family-Community Ties</b>			
NYC School Survey - Strong Family-Community Ties	76%	3.12	100%
Section Rating: Meeting Target	Section Score:	3.12	

<b>Trust</b>			
NYC School Survey - Trust	82%	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	98	76.8	89.4	100.0	0.91	4.64
Common Core shifts in math	Teachers	86	69.2	85.8	100.0	0.56	3.24
Course clarity	Students	85	77.5	86.9	96.3	0.39	2.56
○ Quality of student discussion	Teachers	62	55.8	77.8	99.8	0.13	1.52
Section Results:		83%					3.00
Collaborative Teachers							
Cultural awareness:							
Cultural awareness	Teachers	90	85.4	94.4	100.0	0.50	
Cultural awareness	Parents	94	82.3	91.9	100.0	0.64	
Cultural awareness	Students	74	66.6	80.6	94.6	0.26	
Cultural awareness	Combined	86				0.47	2.88
○ Inclusive classroom instruction	Teachers	78	82.7	93.1	100.0	0.00	1.00
○ Quality of professional development	Teachers	50	50.4	75.6	100.0	0.00	1.00
○ School commitment	Teachers	62	53.7	82.3	100.0	0.18	1.72
○ Innovation	Teachers	68	65.9	84.5	100.0	0.05	1.20
Reflective dialogue	Teachers	92	85.1	95.3	100.0	0.50	3.00
○ Peer collaboration	Teachers	70	75.2	90.6	100.0	0.00	1.00
Focus on student learning	Teachers	72	60.0	85.2	100.0	0.31	2.24
○ Collective responsibility	Teachers	60	58.1	80.7	100.0	0.05	1.20
Section Results:		71%					1.68
Supportive Environment							
Safety:							
Safety	Teachers						
Safety	Students	82	67.5	82.9	98.3	0.46	
Safety	Combined	82				0.46	2.84
Classroom behavior:							
Classroom behavior	Teachers						
Classroom behavior	Students	77	68.3	82.1	95.9	0.30	
Classroom behavior	Combined	77				0.30	2.20
Social-emotional measure	Teachers	89	86.6	95.2	100.0	0.25	2.00
Peer interactions	Students	75	58.2	74.4	90.6	0.52	3.08
Next-level guidance	Students	81	71.4	83.6	95.8	0.39	2.56
Press toward academic achievement:							
Press toward academic achievement	Teachers						
Press toward academic achievement	Students	84	76.3	86.1	95.9	0.39	
Press toward academic achievement	Combined	84				0.39	2.56
Personal attention and support	Students	77	69.0	81.8	94.6	0.32	2.28
Peer support for academic work:							
Peer support for academic work	Teachers						
Peer support for academic work	Parents	90	68.1	85.5	100.0	0.69	
Peer support for academic work	Students	65	41.0	61.6	82.2	0.59	
Peer support for academic work	Combined	78				0.64	3.56
Section Results:		80%					2.64

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
● Inclusive principal leadership	Parents	94	76.5	88.9	100.0	0.75	4.00
Teacher influence	Teachers	57	40.6	71.4	100.0	0.28	2.12
○ Program coherence	Teachers	59	57.0	82.6	100.0	0.05	1.20
○ Principal instructional leadership	Teachers	64	58.2	84.6	100.0	0.13	1.52
Section Results:		69%					2.20
Strong Family Community Ties							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	81	75.2	89.0	100.0	0.22	
Teacher outreach to parents	Parents	90	76.7	88.1	99.5	0.58	
Teacher outreach to parents	Combined	85				0.40	2.60
Parent involvement in the schools	Parents	67	41.2	61.0	80.8	0.65	3.60
Section Results:		76%					3.12
Trust							
Parent-teacher trust	Parents	94	84.9	93.1	100.0	0.63	3.52
● Parent-principal trust	Parents	96	84.5	93.7	100.0	0.75	4.00
Student-teacher trust	Students	77	68.5	81.1	93.7	0.32	2.28
○ Teacher-principal trust	Teachers	65	55.0	84.0	100.0	0.21	1.84
○ Teacher-teacher trust	Teachers	77	75.7	90.9	100.0	0.05	1.20
Section Results:		82%					2.56

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	93.9%	75.0% or lower	75.1% to 81.9%	82.0% to 86.8%	86.9% or higher
10+ Credits in 1st Year - School's Lowest Third	83.3%	53.7% or lower	53.8% to 64.8%	64.9% to 72.6%	72.7% or higher
10+ Credits in 2nd Year - All Students	93.4%	73.1% or lower	73.2% to 80.6%	80.7% to 85.8%	85.9% or higher
10+ Credits in 2nd Year - School's Lowest Third	90.9%	53.3% or lower	53.4% to 64.0%	64.1% to 71.4%	71.5% or higher
10+ Credits in 3rd Year - All Students	86.1%	71.5% or lower	71.6% to 79.1%	79.2% to 84.5%	84.6% or higher
10+ Credits in 3rd Year - School's Lowest Third	76.7%	54.9% or lower	55.0% to 65.4%	65.5% to 72.8%	72.9% or higher
Regents Performance					
Average Completion Rate for Remaining Regents	63.8%	55.3% or lower	55.4% to 62.2%	62.3% to 67.1%	67.2% or higher
Average Regents Score - English (non-Common Core)*	75.0	71.4 or lower	71.5 to 74.7	74.8 to 77.1	77.2 or higher
Average Regents Score - English (Common Core)*	76.0	76.1 or lower	76.2 to 79.9	80.0 to 82.6	82.7 or higher
Average Regents Score - Living Environment*	67.0	68.7 or lower	68.8 to 72.0	72.1 to 74.4	74.5 or higher
Average Regents Score - Global History*	65.0	65.2 or lower	65.3 to 68.7	68.8 to 71.2	71.3 or higher
Average Regents Score - US History*	73.0	74.3 or lower	74.4 to 78.3	78.4 to 81.1	81.2 or higher
Average Regents Score - Algebra I (Common Core)*	59.0	61.3 or lower	61.4 to 64.1	64.2 to 66.0	66.1 or higher
Graduation / Non-Dropout					
4-Year Graduation Rate	88.7%	75.3% or lower	75.4% to 82.1%	82.2% to 87.0%	87.1% or higher
6-Year Graduation Rate	94.0%	74.4% or lower	74.5% to 80.0%	80.1% to 83.9%	84.0% or higher
4-Year Non-Dropout Rate	95.2%	86.4% or lower	86.5% to 90.2%	90.3% to 92.8%	92.9% or higher
6-Year Non-Dropout Rate	95.0%	78.7% or lower	78.8% to 83.7%	83.8% to 87.2%	87.3% or higher
College and Career Readiness					
College and Career Preparatory Course Index	73.4%	46.3% or lower	46.4% to 59.2%	59.3% to 68.3%	68.4% or higher
4-Year College Readiness Index	61.3%	33.2% or lower	33.3% to 41.4%	41.5% to 47.2%	47.3% or higher
6-Year College Readiness Index with Persistence	70.0%	44.1% or lower	44.2% to 51.0%	51.1% to 55.9%	56.0% or higher
Postsecondary Enrollment Rate - 6 Months	55.8%	60.4% or lower	60.5% to 68.7%	68.8% to 74.6%	74.7% or higher
Postsecondary Enrollment Rate - 18 Months	89.0%	63.3% or lower	63.4% to 69.4%	69.5% to 73.7%	73.8% 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	57.1%	54.5% or lower	54.6% to 65.3%	65.4% to 72.8%	72.9% or higher
Self-Contained / ICT / SETSS	71.4%	57.0% or lower	57.1% to 68.4%	68.5% to 76.5%	76.6% or higher
Lowest Third Citywide	69.0%	47.7% or lower	47.8% to 58.7%	58.8% to 66.5%	66.6% or higher
Black / Hispanic Males in Lowest Third Citywide	66.7%	41.0% or lower	41.1% to 52.9%	53.0% to 61.2%	61.3% or higher
College and Career Readiness of Students in Lowest Third Citywide					
College and Career Preparatory Course Index	41.4%	17.0% or lower	17.1% to 25.6%	25.7% to 31.7%	31.8% or higher
4-Year College Readiness Index	20.7%	3.5% or lower	3.6% to 5.3%	5.4% to 6.6%	6.7% or higher
Postsecondary Enrollment Rate - 6 Months	35.1%	22.4% or lower	22.5% to 31.1%	31.2% to 37.3%	37.4% 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	64.0%	67.7% or lower	67.8% to 74.9%	75.0% to 80.1%	80.2% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.38	0.43 or lower	0.44 to 0.58	0.59 to 0.69	0.70 or higher