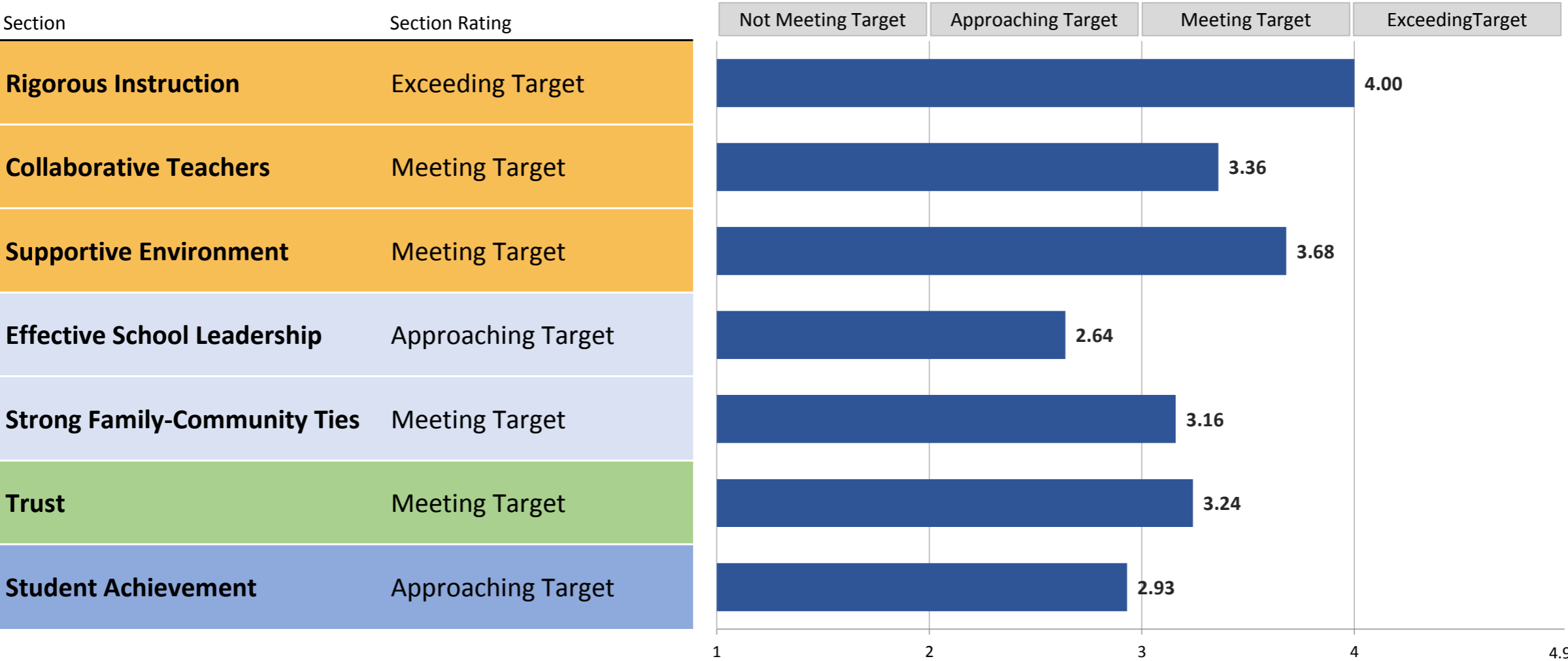


Framework for Great Schools

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>

Student Enrollment

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Kindergarten	164	127	121
Grade 1	156	196	131
Grade 2	139	155	194
Grade 3	136	130	153
Grade 4	123	139	126
Grade 5	132	119	138
All students	886	901	893

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	14%	12%	13%
% Free Lunch Eligible	74%	74%	74%
% Student with IEPs	15%	16%	18%
% Student with IEPs (less than 20% time)	7%	6%	7%
% HRA Eligible	-	64%	60%
% Temporary Housing	-	18%	20%
% Asian	6%	5%	6%
% Black	69%	69%	68%
% Hispanic	20%	21%	21%
% White	5%	4%	4%
% Other	0%	1%	1%

Student Achievement Rating	Student Achievement Score
Approaching Target	2.93

Student Achievement Metrics	2014-15 Targets								
	n	2014-15 School Value	Bottom of Target Range	Approaching Target	Meeting Target	Exceeding Target	Top of Target Range	Metric Score	Weight Pct
State Test Results - ELA									
Average Student Proficiency	393	2.34	1.92	2.23	2.44	2.69	3.01	2.52	9.09%
Percentage of Students at Level 3 or 4	393	19.6%	0.0%	14.2%	24.4%	36.1%	50.8%	2.53	9.09%
Median Adjusted Growth Percentile	242	60.0	46.7	54.7	61.7	66.6	78.2	2.76	9.09%
Median Adjusted Growth Percentile - School's Lowest Third	83	73.0	57.4	65.8	73.2	78.3	90.5	2.97	9.09%
Early Grade Progress	139	1.82	0.11	1.07	1.88	2.45	3.82	2.93	9.09%
State Test Results - Math									
Average Student Proficiency	399	2.36	1.77	2.26	2.62	3.02	3.53	2.28	9.09%
Percentage of Students at Level 3 or 4	399	19.3%	0.0%	18.3%	31.4%	46.4%	65.2%	2.08	9.09%
Median Adjusted Growth Percentile	244	50.5	36.2	48.7	59.6	67.1	85.1	2.17	9.09%
Median Adjusted Growth Percentile - School's Lowest Third	84	71.0	51.1	61.2	70.0	76.2	90.8	3.16	9.09%
Early Grade Progress	142	1.84	0.02	1.41	2.61	3.45	5.46	2.36	9.09%
MS Adjusted Core Course Pass Rate of Former Students	113	95.2%	70.2%	78.8%	84.7%	91.5%	100.0%	4.44	9.09%
Weighted Average Score								2.75	

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	40	10.2%	50.2%	2.5%	0.0%	1.1%	1.9%	2.7%	4.6%	3.75	0.030	0.021
Integrated Co-Teaching	15	3.8%	19.3%	6.7%	0.0%	3.7%	6.5%	9.3%	15.8%		0.030	0.000
SETSS	10	2.5%	23.8%	0.0%	0.0%	3.5%	6.2%	8.9%	15.0%		0.030	0.000
Math - Percent at Level 3 or 4												
Self-Contained	40	10.0%	49.8%	7.5%	0.0%	2.9%	5.2%	7.4%	12.6%	4.02	0.030	0.023
Integrated Co-Teaching	15	3.8%	19.4%	20.0%	0.0%	7.2%	12.9%	18.4%	31.2%		0.030	0.000
SETSS	10	2.5%	24.0%	0.0%	0.0%	6.6%	11.7%	16.8%	28.4%		0.030	0.000
ELA - Percent at 75th+ Growth Percentile												
ELL	36	14.9%	31.8%	44.4%	12.7%	26.0%	36.3%	46.4%	69.9%	3.80	0.030	0.021
Lowest Third Citywide	104	43.0%	62.0%	46.2%	28.0%	38.8%	47.1%	55.4%	74.4%	2.89	0.030	0.014
Black and Hispanic Males in Lowest Third Citywide	53	21.9%	55.4%	43.4%	23.6%	36.2%	45.9%	55.6%	77.8%	2.74	0.030	0.013
SC/ICT/SETSS	48	19.8%	45.6%	39.6%	22.0%	34.9%	44.8%	54.7%	77.4%	2.47	0.030	0.011
Math - Percent at 75th+ Growth Percentile												
ELL	38	15.6%	32.0%	42.1%	7.8%	22.3%	33.5%	44.6%	70.2%	3.77	0.030	0.021
Lowest Third Citywide	100	41.0%	56.3%	39.0%	19.1%	32.5%	42.8%	53.1%	76.7%	2.63	0.030	0.012
Black and Hispanic Males in Lowest Third Citywide	43	17.6%	45.8%	34.9%	14.4%	29.5%	41.2%	52.8%	79.4%	2.46	0.030	0.011
SC/ICT/SETSS	47	19.3%	45.0%	40.4%	15.4%	29.5%	40.4%	51.3%	76.2%	3.00	0.030	0.015
ELL Progress	106	12.3%	31.2%	58.5%	31.6%	44.8%	55.1%	65.2%	88.6%	3.34	0.030	0.018
CtAG Additional Points											0.18	
Overall Student Achievement Score											2.93	

● 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	Well Developed	4.99	22%
Quality Review 1.2	Proficient	3.40	22%
Quality Review 2.2	Well Developed	4.99	22%
NYC School Survey - Rigorous Instruction	89%	3.08	34%
Section Rating: Exceeding Target	Section Score:	4.00	

Collaborative Teachers			
Quality Review 4.2	Proficient	3.40	50%
NYC School Survey - Collaborative Teachers	87%	3.32	50%
Section Rating: Meeting Target	Section Score:	3.36	

Supportive Environment			
Quality Review 3.4	Well Developed	4.99	30%
NYC School Survey - Supportive Environment	88%	3.04	35%
Percentage of students with 90%+ attendance			
EMS	77.9%	3.24	
HS			
Overall	77.9%	3.24	30%
Movement of students with disabilities to less restrictive environments			
EMS	0.24	2.91	
HS			
Overall	0.24	2.91	5%
Section Rating: Meeting Target	Section Score:	3.68	

Effective School Leadership			
NYC School Survey - Effective School Leadership	72%	2.64	100%
Section Rating: Approaching Target	Section Score:	2.64	

Strong Family-Community Ties			
NYC School Survey - Strong Family-Community Ties	85%	3.16	100%
Section Rating: Meeting Target	Section Score:	3.16	

Trust			
NYC School Survey - Trust	87%	3.24	100%
Section Rating: Meeting Target	Section Score:	3.24	

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

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School of Science & Technology

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Rigorous Instruction							
Common Core shifts in literacy	Teachers	92	86.4	94.8	100.0	0.50	3.00
Common Core shifts in math	Teachers	90	83.3	93.1	100.0	0.50	3.00
Course clarity	Students		84.3	92.7	100.0		
Quality of student discussion	Teachers	86	68.7	85.3	100.0	0.57	3.28
Section Results:		89%					3.08
Collaborative Teachers							
Cultural awareness:							
Cultural awareness	Teachers	97	85.4	95.0	100.0	0.80	
Cultural awareness	Parents	94	90.5	94.9	99.3	0.50	
Cultural awareness	Students		68.6	87.4	100.0		
Cultural awareness	Combined	96				0.65	3.60
Inclusive classroom instruction	Teachers	94	84.2	94.6	100.0	0.64	3.56
Quality of professional development	Teachers	74	51.4	77.4	100.0	0.46	2.84
School commitment	Teachers	79	59.9	85.3	100.0	0.47	2.88
Innovation	Teachers	85	70.3	86.7	100.0	0.50	3.00
● Reflective dialogue	Teachers	99	87.9	95.9	100.0	0.88	4.52
Peer collaboration	Teachers	92	77.6	92.2	100.0	0.62	3.48
Focus on student learning	Teachers	88	68.2	89.0	100.0	0.61	3.44
Collective responsibility	Teachers	78	65.7	84.7	100.0	0.36	2.44
Section Results:		87%					3.32
Supportive Environment							
Safety:							
Safety	Teachers	95	80.0	94.6	100.0	0.75	
Safety	Students		74.5	88.5	100.0		
● Safety	Combined	95				0.75	4.00
Classroom behavior:							
Classroom behavior	Teachers	68	66.9	85.5	100.0	0.03	
Classroom behavior	Students		67.3	84.3	100.0		
○ Classroom behavior	Combined	68				0.03	1.12
● Social-emotional measure	Teachers	97	89.0	96.6	100.0	0.76	4.04
Peer interactions	Students		68.2	84.8	100.0		
Next-level guidance	Students						
Press toward academic achievement:							
Press toward academic achievement	Teachers	85	75.0	88.8	100.0	0.40	
Press toward academic achievement	Students		85.3	91.9	98.5		
Press toward academic achievement	Combined	85				0.40	2.60
Personal attention and support	Students		77.8	89.6	100.0		
Peer support for academic work:							
Peer support for academic work	Teachers	95	76.5	91.5	100.0	0.77	
Peer support for academic work	Parents	94	88.4	94.8	100.0	0.50	
Peer support for academic work	Students		50.4	73.8	97.2		
Peer support for academic work	Combined	94				0.63	3.52
Section Results:		88%					3.04

		Survey % Positive	City Range			Percent of Range	Score	
			Bottom of Range	City Avg	Top of Range			
Effective School Leadership								
	Inclusive principal leadership	Parents	92	79.3	90.9	100.0	0.61	3.44
○	Teacher influence	Teachers	43	28.8	60.8	92.8	0.23	1.92
	Program coherence	Teachers	76	60.0	85.2	100.0	0.41	2.64
	Principal instructional leadership	Teachers	76	61.6	87.0	100.0	0.38	2.52
Section Results:			72%					2.64
Strong Family Community Ties								
Teacher outreach to parents:								
	Teacher outreach to parents	Teachers	93	84.5	94.5	100.0	0.55	
	Teacher outreach to parents	Parents	94	86.0	92.6	99.2	0.61	
	Teacher outreach to parents	Combined	94				0.58	3.32
	Parent involvement in the schools	Parents	76	62.4	76.6	90.8	0.49	2.96
Section Results:			85%					3.16
Trust								
●	Parent-teacher trust	Parents	96	90.9	95.3	99.7	0.75	4.00
●	Parent-principal trust	Parents	95	82.7	93.3	100.0	0.75	4.00
	Student-teacher trust	Students		64.6	85.2	100.0		
	Teacher-principal trust	Teachers	72	56.4	85.0	100.0	0.36	2.44
	Teacher-teacher trust	Teachers	84	74.1	90.5	100.0	0.38	2.52
Section Results:			87%					3.24

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

22K152

School of Science & Technology

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	2.34	2.25 or lower	2.26 to 2.35	2.36 to 2.43	2.44 or higher
Average Student Proficiency - School's Lowest Third	1.89	1.85 or lower	1.86 to 1.97	1.98 to 2.06	2.07 or higher
Percentage of Students at Level 3 or 4	19.6%	14.7% or lower	14.8% to 20.2%	20.3% to 24.4%	24.5% or higher
State Test Results - Math*					
Average Student Proficiency	2.36	2.40 or lower	2.41 to 2.56	2.57 to 2.68	2.69 or higher
Average Student Proficiency - School's Lowest Third	1.90	1.88 or lower	1.89 to 2.05	2.06 to 2.18	2.19 or higher
Percentage of Students at Level 3 or 4	19.3%	22.4% or lower	22.5% to 29.6%	29.7% to 35.1%	35.2% or higher
MS Adjusted Core Course Pass Rate of Former Students	95.2%	86.4% or lower	86.5% to 89.9%	90.0% to 92.5%	92.6% 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	1.86	1.69 or lower	1.70 to 1.79	1.80 to 1.89	1.90 or higher
Integrated Co-Teaching	2.05	1.95 or lower	1.96 to 2.06	2.07 to 2.15	2.16 or higher
SETSS	1.91	1.85 or lower	1.86 to 1.97	1.98 to 2.07	2.08 or higher
ELL	2.13	1.98 or lower	1.99 to 2.11	2.12 to 2.22	2.23 or higher
Lowest Third Citywide	1.93	1.89 or lower	1.90 to 1.96	1.97 to 2.01	2.02 or higher
Black and Hispanic Males in Lowest Third Citywide	1.88	1.84 or lower	1.85 to 1.92	1.93 to 1.99	2.00 or higher
Math - Average Proficiency Rating					
Self-Contained	1.99	1.81 or lower	1.82 to 1.95	1.96 to 2.06	2.07 or higher
Integrated Co-Teaching	2.40	2.15 or lower	2.16 to 2.32	2.33 to 2.45	2.46 or higher
SETSS	2.02	2.00 or lower	2.01 to 2.18	2.19 to 2.31	2.32 or higher
ELL	2.14	2.18 or lower	2.19 to 2.38	2.39 to 2.52	2.53 or higher
Lowest Third Citywide	1.90	1.90 or lower	1.91 to 1.98	1.99 to 2.04	2.05 or higher
Black and Hispanic Males in Lowest Third Citywide	1.85	1.85 or lower	1.86 to 1.94	1.95 to 2.00	2.01 or higher
ELL Progress	58.5%	42.3% or lower	42.4% to 52.3%	52.4% to 59.8%	59.9% 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	77.9%	69.1% or lower	69.2% to 75.9%	76.0% to 81.1%	81.2% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.24	0.15 or lower	0.16 to 0.24	0.25 to 0.31	0.32 or higher