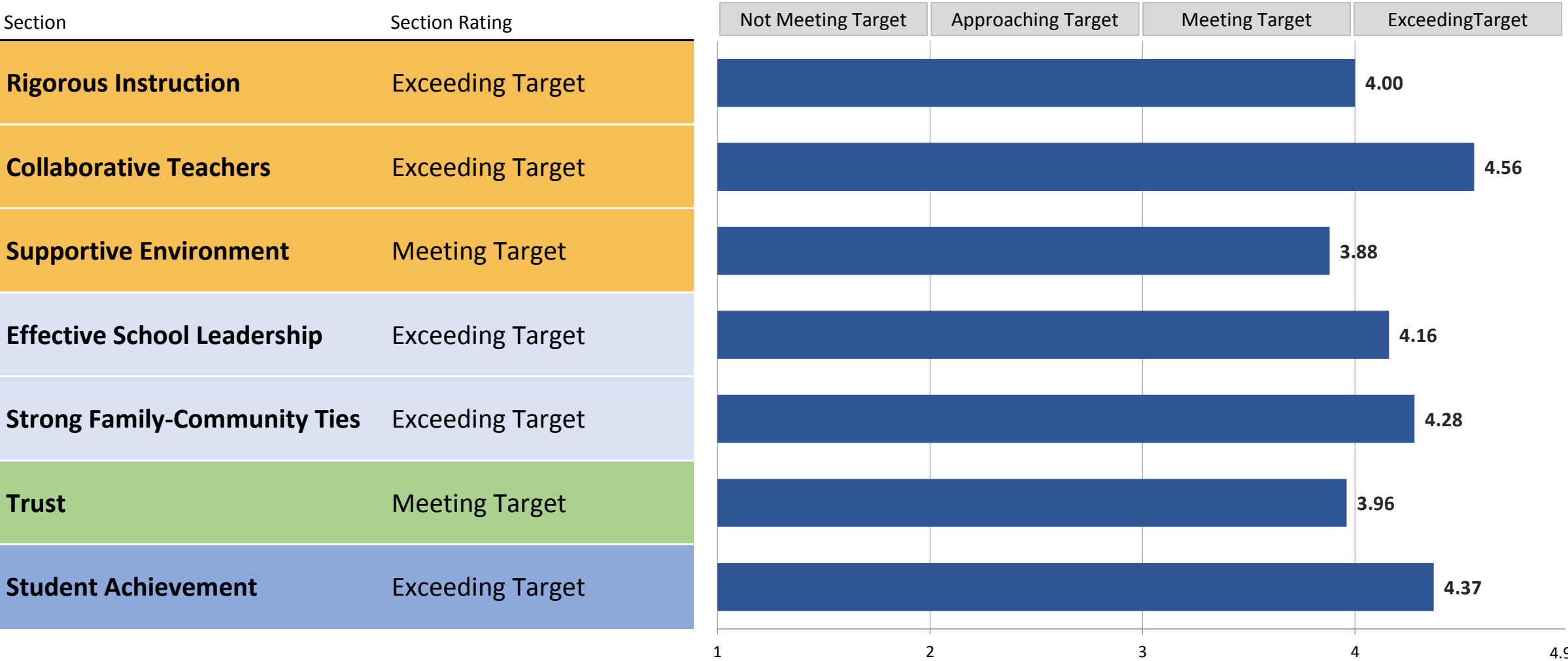


Framework for Great Schools

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>

Student Enrollment

Grade	2012 - 2013	2013 - 2014	2014 - 2015
Grade 6	177	175	175
Grade 7	164	172	173
Grade 8	168	167	170
All students	509	514	518

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	1%	1%	1%
% Free Lunch Eligible	22%	22%	20%
% Student with IEPs	20%	20%	17%
% Student with IEPs (less than 20% time)	0%	0%	0%
% HRA Eligible	-	15%	13%
% Temporary Housing	-	1%	1%
% Asian	10%	9%	8%
% Black	23%	21%	19%
% Hispanic	17%	19%	17%
% White	48%	49%	54%
% Other	0%	2%	2%
Average Incoming ELA Proficiency	3.40	3.40	3.51
Average Incoming Math Proficiency	3.84	3.65	3.69

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

Student Achievement Rating	Student Achievement Score
Exceeding Target	4.37

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	456	3.42	2.39	2.76	2.98	3.22	3.47	4.80	9.80%
Percentage of Students at Level 3 or 4	456	75.4%	21.2%	33.8%	44.3%	56.1%	72.0%	4.99	9.80%
Median Adjusted Growth Percentile	437	66.0	53.6	58.5	65.4	69.9	78.0	3.13	9.80%
Median Adjusted Growth Percentile - School's Lowest Third	159	77.0	62.2	66.9	73.7	78.3	86.6	3.72	9.80%
State Test Results - Math									
Average Student Proficiency	431	3.60	2.38	2.81	3.06	3.35	3.65	4.83	9.80%
Percentage of Students at Level 3 or 4	431	80.3%	22.7%	36.6%	48.0%	60.7%	77.5%	4.99	9.80%
Median Adjusted Growth Percentile	408	70.5	45.8	52.6	62.2	68.6	79.9	4.17	9.80%
Median Adjusted Growth Percentile - School's Lowest Third	140	76.0	55.2	61.2	70.0	75.8	86.3	4.02	9.80%
Core Course Pass Rates									
ELA	509	99.8%	81.6%	89.0%	92.2%	95.9%	100.0%	4.95	1.96%
Math	509	99.8%	85.3%	92.7%	94.9%	97.3%	100.0%	4.93	1.96%
Science	509	99.8%	80.5%	87.5%	91.2%	95.3%	100.0%	4.96	1.96%
Social Studies	509	99.8%	81.6%	89.5%	92.6%	96.1%	100.0%	4.95	1.96%
Percent of 8th Graders Earning HS Credit	166	45.8%	0.0%	22.9%	40.0%	59.0%	87.8%	3.31	3.92%
9th Grade Adjusted Credit Accumulation of Former 8th Graders	154	95.0%	81.0%	90.0%	93.0%	96.0%	100.0%	3.67	9.80%
Weighted Average Score								4.27	

Closing the Achievement Gap (CtAG) Metrics	2014-15 Targets											
	n	2014-15 School Population %	Population % of Range	2014-15 School Value	Bottom of Target Range	Approaching Target	Meeting Target	Exceeding Target	Top of Target Range	Metric Score	Extra Points Possible	Extra Points Earned
ELA - Percent at Level 3 or 4												
Self-Contained	1	0.2%	1.0%		0.0%	0.4%	0.8%	1.3%	2.2%		0.030	0.000
Integrated Co-Teaching	69	15.1%	83.0%	43.5%	0.0%	1.6%	3.2%	5.1%	8.4%	4.99	0.030	0.030
SETSS	8	1.8%	19.4%	50.0%	0.0%	2.6%	5.2%	8.2%	13.6%		0.030	0.000
Math - Percent at Level 3 or 4												
Self-Contained	1	0.2%	1.1%		0.0%	0.7%	1.4%	2.3%	3.8%		0.030	0.000
Integrated Co-Teaching	64	14.8%	81.8%	56.3%	0.0%	2.4%	4.8%	7.6%	12.6%	4.99	0.030	0.030
SETSS	7	1.6%	17.4%	71.4%	0.0%	3.3%	6.6%	10.4%	17.2%		0.030	0.000
ELA - Percent at 75th+ Growth Percentile												
ELL	5	1.1%	2.5%	60.0%	17.2%	27.0%	36.6%	47.8%	68.0%		0.030	0.000
Lowest Third Citywide	16	3.7%	0.0%	68.8%	31.5%	39.4%	47.2%	56.3%	72.7%		0.030	0.000
Black and Hispanic Males in Lowest Third Citywide	9	2.1%	4.7%	66.7%	29.6%	38.0%	46.2%	55.9%	73.2%		0.030	0.000
SC/ICT/SETSS	74	16.9%	35.0%	52.7%	35.0%	42.9%	50.8%	60.0%	76.4%	3.21	0.030	0.017
Math - Percent at 75th+ Growth Percentile												
ELL	8	2.0%	4.1%	37.5%	12.4%	22.8%	33.0%	45.0%	66.4%		0.030	0.000
Lowest Third Citywide	10	2.5%	2.4%	90.0%	24.4%	34.1%	43.7%	54.9%	75.0%		0.030	0.000
Black and Hispanic Males in Lowest Third Citywide	3	0.7%	1.6%		24.1%	34.0%	43.7%	55.1%	75.5%		0.030	0.000
SC/ICT/SETSS	67	16.4%	34.5%	55.2%	25.8%	34.5%	43.0%	53.1%	71.0%	4.12	0.030	0.023
ELL Progress	4	0.8%	2.2%		11.3%	22.8%	34.2%	47.5%	71.3%		0.030	0.000
CtAG Additional Points											0.10	
Overall Student Achievement Score											4.37	

- 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	Well Developed	4.99	22%
Quality Review 1.2	Well Developed	4.99	22%
Quality Review 2.2	Proficient	3.40	22%
NYC School Survey - Rigorous Instruction	87%	3.08	34%
Section Rating: Exceeding Target	Section Score:	4.00	

<b>Collaborative Teachers</b>			
Quality Review 4.2	Well Developed	4.99	50%
NYC School Survey - Collaborative Teachers	92%	4.08	50%
Section Rating: Exceeding Target	Section Score:	4.56	

<b>Supportive Environment</b>			
Quality Review 3.4	Well Developed	4.99	30%
NYC School Survey - Supportive Environment	87%	3.32	35%
Percentage of students with 90%+ attendance			
EMS	92.9%	3.76	
HS			
Overall	92.9%	3.76	30%
Movement of students with disabilities to less restrictive environments			
EMS	0.09	1.53	
HS			
Overall	0.09	1.53	5%
Section Rating: Meeting Target	Section Score:	3.88	

<b>Effective School Leadership</b>			
NYC School Survey - Effective School Leadership	91%	4.16	100%
Section Rating: Exceeding Target	Section Score:	4.16	

<b>Strong Family-Community Ties</b>			
NYC School Survey - Strong Family-Community Ties	88%	4.28	100%
Section Rating: Exceeding Target	Section Score:	4.28	

<b>Trust</b>			
NYC School Survey - Trust	93%	3.96	100%
Section Rating: Meeting Target	Section Score:	3.96	

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

15K447

The Math & Science Exploratory 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	92	79.4	91.4	100.0	0.63	3.52
Common Core shifts in math	Teachers	84	68.9	87.1	100.0	0.48	2.92
Course clarity	Students	85	81.3	89.7	98.1	0.25	2.00
Quality of student discussion	Teachers	87	53.2	78.4	100.0	0.72	3.88
Section Results:		87%					3.08
Collaborative Teachers							
Cultural awareness:							
Cultural awareness	Teachers	96	84.5	94.1	100.0	0.75	
Cultural awareness	Parents	96	87.1	93.3	99.5	0.75	
Cultural awareness	Students	76	70.6	84.2	97.8	0.20	
Cultural awareness	Combined	89				0.57	3.28
• Inclusive classroom instruction	Teachers	98	81.7	93.3	100.0	0.89	4.56
Quality of professional development	Teachers	74	54.0	77.4	100.0	0.44	2.76
• School commitment	Teachers	94	59.7	84.3	100.0	0.86	4.44
Innovation	Teachers	91	65.8	85.2	100.0	0.73	3.92
• Reflective dialogue	Teachers	96	86.6	95.8	100.0	0.75	4.00
• Peer collaboration	Teachers	98	76.7	91.9	100.0	0.91	4.64
• Focus on student learning	Teachers	99	68.4	88.4	100.0	0.98	4.92
• Collective responsibility	Teachers	93	57.5	82.3	100.0	0.82	4.28
Section Results:		92%					4.08
Supportive Environment							
Safety:							
Safety	Teachers						
Safety	Students	90	67.5	82.9	98.3	0.73	
Safety	Combined	90				0.73	3.92
Classroom behavior:							
Classroom behavior	Teachers						
Classroom behavior	Students	88	63.4	79.2	95.0	0.77	
• Classroom behavior	Combined	88				0.77	4.08
• Social-emotional measure	Teachers	96	84.7	95.3	100.0	0.75	4.00
Peer interactions	Students	84	67.5	80.7	93.9	0.63	3.52
Next-level guidance	Students	85	76.9	88.3	99.7	0.34	2.36
Press toward academic achievement:							
Press toward academic achievement	Teachers						
Press toward academic achievement	Students	86	80.6	88.2	95.8	0.38	
Press toward academic achievement	Combined	86				0.38	2.52
Personal attention and support	Students	80	74.1	85.5	96.9	0.25	2.00
Peer support for academic work:							
Peer support for academic work	Teachers						
Peer support for academic work	Parents	99	76.8	88.6	100.0	0.94	
Peer support for academic work	Students	74	48.0	66.6	85.2	0.69	
• Peer support for academic work	Combined	86				0.81	4.24
Section Results:		87%					3.32

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
• Inclusive principal leadership	Parents	96	82.1	90.7	99.3	0.79	4.16
Teacher influence	Teachers	76	34.5	67.1	99.7	0.63	3.52
• Program coherence	Teachers	93	60.8	85.2	100.0	0.82	4.28
• Principal instructional leadership	Teachers	97	67.2	88.0	100.0	0.91	4.64
Section Results:		91%					4.16
Strong Family Community Ties							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	97	79.9	92.5	100.0	0.85	
Teacher outreach to parents	Parents	93	81.6	90.6	99.6	0.63	
Teacher outreach to parents	Combined	95				0.74	3.96
• Parent involvement in the schools	Parents	81	47.1	66.3	85.5	0.89	4.56
Section Results:		88%					4.28
Trust							
• Parent-teacher trust	Parents	97	88.9	94.3	99.7	0.75	4.00
• Parent-principal trust	Parents	95	88.6	94.8	100.0	0.75	4.00
Student-teacher trust	Students	81	69.2	82.0	94.8	0.44	2.76
• Teacher-principal trust	Teachers	99	63.2	87.4	100.0	0.97	4.88
• Teacher-teacher trust	Teachers	95	74.2	90.6	100.0	0.80	4.20
Section Results:		93%					3.96

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
State Test Results - ELA*					
Average Student Proficiency	3.42	3.22 or lower	3.23 to 3.29	3.30 to 3.35	3.36 or higher
Average Student Proficiency - School's Lowest Third	2.96	2.52 or lower	2.53 to 2.61	2.62 to 2.68	2.69 or higher
Percentage of Students at Level 3 or 4	75.4%	63.4% or lower	63.5% to 67.1%	67.2% to 70.1%	70.2% or higher
State Test Results - Math*					
Average Student Proficiency	3.60	3.23 or lower	3.24 to 3.36	3.37 to 3.46	3.47 or higher
Average Student Proficiency - School's Lowest Third	3.01	2.48 or lower	2.49 to 2.60	2.61 to 2.70	2.71 or higher
Percentage of Students at Level 3 or 4	80.3%	60.0% or lower	60.1% to 65.8%	65.9% to 70.5%	70.6% or higher
Core Course Pass Rates					
ELA	99.8%	84.9% or lower	85.0% to 88.4%	88.5% to 91.3%	91.4% or higher
Math	99.8%	86.5% or lower	86.6% to 89.7%	89.8% to 92.2%	92.3% or higher
Science	99.8%	87.4% or lower	87.5% to 90.3%	90.4% to 92.7%	92.8% or higher
Social Studies	99.8%	82.5% or lower	82.6% to 86.6%	86.7% to 89.9%	90.0% or higher
Percent of 8th Graders Earning HS Credit	45.8%	32.8% or lower	32.9% to 44.9%	45.0% to 54.8%	54.9% or higher
9th Grade Adjusted Credit Accumulation of Former 8th Graders	95.0%	86.9% or lower	87.0% to 89.9%	90.0% to 91.9%	92.0% or higher
Closing the Achievement Gap Metrics*	2014-15	2015-16 Targets			
	School Value	Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
ELA - Average Proficiency Rating					
Self-Contained					
Integrated Co-Teaching	2.86	2.53 or lower	2.54 to 2.61	2.62 to 2.67	2.68 or higher
SETSS	3.15	2.56 or lower	2.57 to 2.67	2.68 to 2.77	2.78 or higher
ELL	3.66	2.58 or lower	2.59 to 2.70	2.71 to 2.79	2.80 or higher
Lowest Third Citywide	2.11	2.07 or lower	2.08 to 2.12	2.13 to 2.16	2.17 or higher
Black and Hispanic Males in Lowest Third Citywide	2.04	2.00 or lower	2.01 to 2.05	2.06 to 2.09	2.10 or higher
Math - Average Proficiency Rating					
Self-Contained					
Integrated Co-Teaching	3.08	2.53 or lower	2.54 to 2.65	2.66 to 2.75	2.76 or higher
SETSS	3.18	2.59 or lower	2.60 to 2.74	2.75 to 2.87	2.88 or higher
ELL	3.81	2.94 or lower	2.95 to 3.10	3.11 to 3.23	3.24 or higher
Lowest Third Citywide	2.23	1.95 or lower	1.96 to 2.03	2.04 to 2.09	2.10 or higher
Black and Hispanic Males in Lowest Third Citywide		1.90 or lower	1.91 to 1.97	1.98 to 2.02	2.03 or higher
ELL Progress					

\*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	92.9%	82.1% or lower	82.2% to 86.3%	86.4% to 89.7%	89.8% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.09	0.14 or lower	0.15 to 0.22	0.23 to 0.29	0.30 or higher

\* If the participation in state tests is low, the targets may be adjusted to reflect the students at the school that actually take the tests.