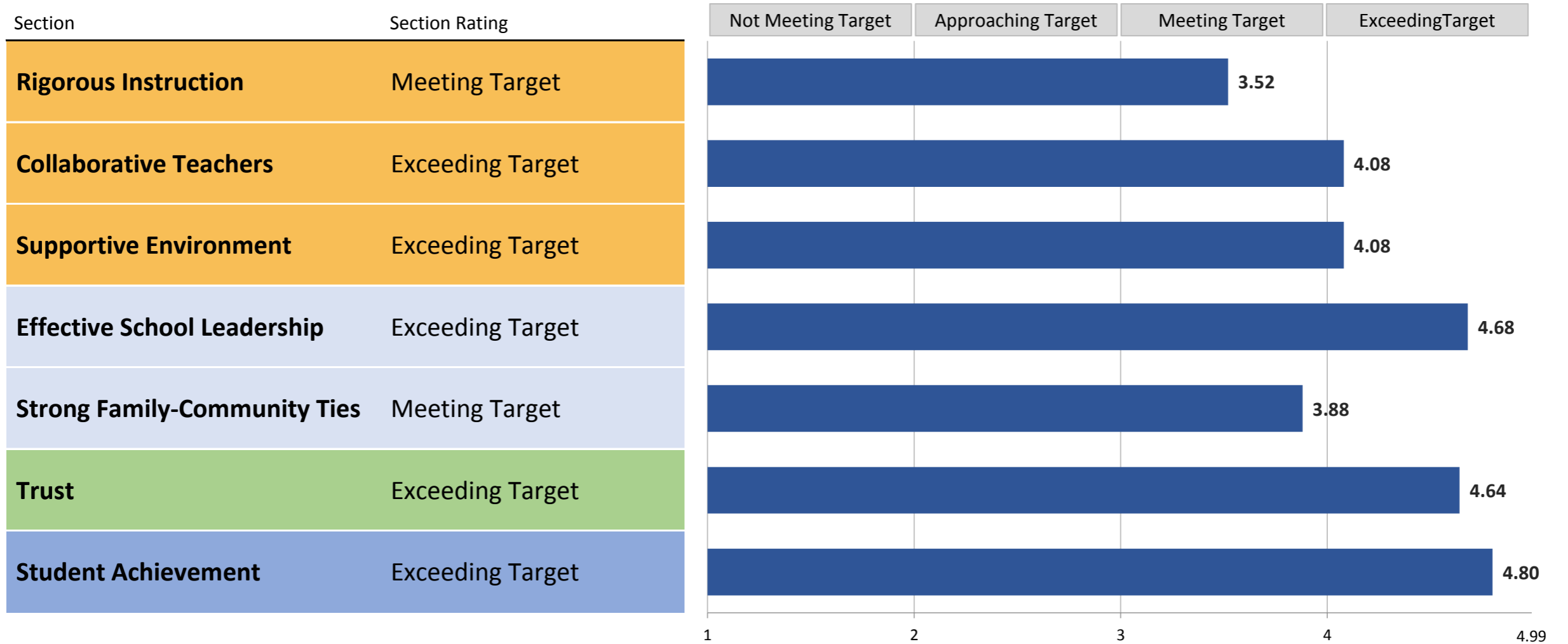


Framework for Great Schools

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
Grade 6	126	124	142
Grade 7	133	151	147
Grade 8	128	141	156
All students	387	416	445

Student Demographics

	2012 - 2013	2013 - 2014	2014 - 2015
% English Language Learners	18%	18%	19%
% Free Lunch Eligible	87%	87%	88%
% Student with IEPs	20%	21%	23%
% Student with IEPs (less than 20% time)	7%	6%	8%
% HRA Eligible	-	73%	72%
% Temporary Housing	-	20%	20%
% Asian	2%	2%	3%
% Black	26%	26%	24%
% Hispanic	71%	70%	71%
% White	1%	0%	1%
% Other	0%	0%	1%
Average Incoming ELA Proficiency	2.78	2.44	2.44
Average Incoming Math Proficiency	3.09	2.58	2.58

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

09X454

Science and Technology Academy: A Mott Hall School

Student Achievement Rating	Student Achievement Score
Exceeding Target	4.80

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			
State Test Results - ELA									
● Average Student Proficiency	424	2.58	1.96	2.18	2.30	2.44	2.69	4.56	9.80%
● Percentage of Students at Level 3 or 4	424	27.4%	1.6%	8.5%	13.4%	19.0%	27.2%	4.99	9.80%
● Median Adjusted Growth Percentile	390	71.0	46.2	52.2	60.9	66.7	76.9	4.42	9.80%
● Median Adjusted Growth Percentile - School's Lowest Third	137	86.0	61.1	67.1	75.6	81.3	91.4	4.47	9.80%
State Test Results - Math									
● Average Student Proficiency	436	2.71	1.76	2.08	2.30	2.55	2.89	4.47	9.80%
● Percentage of Students at Level 3 or 4	436	34.2%	0.0%	8.8%	15.3%	22.6%	32.3%	4.99	9.80%
● Median Adjusted Growth Percentile	413	72.0	37.2	46.0	58.4	66.7	81.4	4.36	9.80%
● Median Adjusted Growth Percentile - School's Lowest Third	142	86.0	55.8	62.3	71.8	78.1	89.3	4.71	9.80%
Core Course Pass Rates									
● ELA	428	96.5%	70.3%	78.9%	85.1%	92.1%	100.0%	4.56	1.96%
● Math	428	97.0%	66.5%	76.0%	83.1%	91.0%	100.0%	4.67	1.96%
● Science	428	96.5%	70.2%	78.7%	85.0%	92.0%	100.0%	4.56	1.96%
● Social Studies	428	95.8%	67.2%	76.6%	83.5%	91.2%	100.0%	4.52	1.96%
Percent of 8th Graders Earning HS Credit	151	15.2%	0.0%	11.4%	19.9%	29.4%	41.0%	2.45	3.92%
9th Grade Adjusted Credit Accumulation of Former 8th Graders	129	83.0%	59.0%	70.0%	79.0%	89.0%	100.0%	3.40	9.80%
								Weighted Average Score	4.41

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	34	8.0%	41.5%	2.9%	0.0%	0.4%	0.8%	1.3%	2.2%	4.99	0.030	0.030
● Integrated Co-Teaching	23	5.4%	29.7%	8.7%	0.0%	1.6%	3.2%	5.1%	8.4%	4.99	0.030	0.030
● SETSS	26	6.1%	65.6%	11.5%	0.0%	2.6%	5.2%	8.2%	13.6%	4.61	0.030	0.027
Math - Percent at Level 3 or 4												
● Self-Contained	35	8.0%	42.3%	5.7%	0.0%	0.7%	1.4%	2.3%	3.8%	4.99	0.030	0.030
● Integrated Co-Teaching	24	5.5%	30.4%	4.2%	0.0%	2.4%	4.8%	7.6%	12.6%	2.75	0.030	0.013
● SETSS	26	6.0%	65.2%	26.9%	0.0%	3.3%	6.6%	10.4%	17.2%	4.99	0.030	0.030
ELA - Percent at 75th+ Growth Percentile												
● ELL	102	26.2%	58.6%	51.0%	17.2%	27.0%	36.6%	47.8%	68.0%	4.16	0.030	0.024
● Lowest Third Citywide	138	35.4%	43.7%	73.2%	31.5%	39.4%	47.2%	56.3%	72.7%	4.99	0.030	0.030
● Black and Hispanic Males in Lowest Third Citywide	81	20.8%	46.5%	70.4%	29.6%	38.0%	46.2%	55.9%	73.2%	4.84	0.030	0.029
● SC/ICT/SETSS	81	20.8%	46.8%	58.0%	35.0%	42.9%	50.8%	60.0%	76.4%	3.78	0.030	0.021
Math - Percent at 75th+ Growth Percentile												
● ELL	124	30.0%	61.9%	54.0%	12.4%	22.8%	33.0%	45.0%	66.4%	4.42	0.030	0.026
● Lowest Third Citywide	133	32.2%	39.3%	75.2%	24.4%	34.1%	43.7%	54.9%	75.0%	4.99	0.030	0.030
● Black and Hispanic Males in Lowest Third Citywide	77	18.6%	41.8%	67.5%	24.1%	34.0%	43.7%	55.1%	75.5%	4.61	0.030	0.027
● SC/ICT/SETSS	84	20.3%	46.5%	51.2%	25.8%	34.5%	43.0%	53.1%	71.0%	3.81	0.030	0.021
● ELL Progress	82	18.6%	51.5%	56.1%	11.3%	22.8%	34.2%	47.5%	71.3%	4.36	0.030	0.025
											CtAG Additional Points	0.39
											Overall Student Achievement Score	4.80

- 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).

		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	79.4	91.4	100.0	0.90	4.60
•	Common Core shifts in math	Teachers	95	68.9	87.1	100.0	0.84	4.36
•	Course clarity	Students	97	81.3	89.7	98.1	0.96	4.84
•	Quality of student discussion	Teachers	95	53.2	78.4	100.0	0.89	4.56
Section Results:			96%					4.60
Collaborative Teachers								
Cultural awareness:								
	Cultural awareness	Teachers	100	84.5	94.1	100.0	1.00	
	Cultural awareness	Parents	96	87.1	93.3	99.5	0.75	
	Cultural awareness	Students	97	70.6	84.2	97.8	0.96	
•	Cultural awareness	Combined	98				0.90	4.60
•	Inclusive classroom instruction	Teachers	100	81.7	93.3	100.0	1.00	4.99
•	Quality of professional development	Teachers	94	54.0	77.4	100.0	0.87	4.48
•	School commitment	Teachers	97	59.7	84.3	100.0	0.93	4.72
•	Innovation	Teachers	99	65.8	85.2	100.0	0.98	4.92
•	Reflective dialogue	Teachers	99	86.6	95.8	100.0	0.89	4.56
•	Peer collaboration	Teachers	99	76.7	91.9	100.0	0.97	4.88
•	Focus on student learning	Teachers	99	68.4	88.4	100.0	0.96	4.84
•	Collective responsibility	Teachers	100	57.5	82.3	100.0	1.00	4.99
Section Results:			98%					4.76
Supportive Environment								
Safety:								
	Safety	Teachers						
	Safety	Students	94	67.5	82.9	98.3	0.87	
•	Safety	Combined	94				0.87	4.48
Classroom behavior:								
	Classroom behavior	Teachers						
	Classroom behavior	Students	93	63.4	79.2	95.0	0.94	
•	Classroom behavior	Combined	93				0.94	4.76
•	Social-emotional measure	Teachers	100	84.7	95.3	100.0	1.00	4.99
•	Peer interactions	Students	95	67.5	80.7	93.9	1.00	4.99
•	Next-level guidance	Students	96	76.9	88.3	99.7	0.83	4.32
Press toward academic achievement:								
	Press toward academic achievement	Teachers						
	Press toward academic achievement	Students	95	80.6	88.2	95.8	0.94	
•	Press toward academic achievement	Combined	95				0.94	4.76
•	Personal attention and support	Students	96	74.1	85.5	96.9	0.98	4.92
Peer support for academic work:								
	Peer support for academic work	Teachers						
	Peer support for academic work	Parents	95	76.8	88.6	100.0	0.78	
	Peer support for academic work	Students	84	48.0	66.6	85.2	0.97	
•	Peer support for academic work	Combined	90				0.88	4.52
Section Results:			95%					4.72

		Survey % Positive	City Range			Percent of Range	Score
			Bottom of Range	City Avg	Top of Range		
Effective School Leadership							
• Inclusive principal leadership	Parents	95	82.1	90.7	99.3	0.75	4.00
• Teacher influence	Teachers	96	34.5	67.1	99.7	0.94	4.76
• Program coherence	Teachers	100	60.8	85.2	100.0	1.00	4.99
• Principal instructional leadership	Teachers	100	67.2	88.0	100.0	0.99	4.96
Section Results:		98%					4.68
Strong Family Community Ties							
Teacher outreach to parents:							
Teacher outreach to parents	Teachers	98	79.9	92.5	100.0	0.89	
Teacher outreach to parents	Parents	96	81.6	90.6	99.6	0.79	
• Teacher outreach to parents	Combined	97				0.84	4.36
Parent involvement in the schools	Parents	70	47.1	66.3	85.5	0.60	3.40
Section Results:		84%					3.88
Trust							
• Parent-teacher trust	Parents	97	88.9	94.3	99.7	0.77	4.08
• Parent-principal trust	Parents	98	88.6	94.8	100.0	0.83	4.32
• Student-teacher trust	Students	95	69.2	82.0	94.8	1.00	4.99
• Teacher-principal trust	Teachers	99	63.2	87.4	100.0	0.97	4.88
• Teacher-teacher trust	Teachers	99	74.2	90.6	100.0	0.98	4.92
Section Results:		98%					4.64

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

09X454

Science and Technology Academy: A Mott Hall School

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	2.58	2.19 or lower	2.20 to 2.27	2.28 to 2.33	2.34 or higher
Average Student Proficiency - School's Lowest Third	2.11	1.80 or lower	1.81 to 1.89	1.90 to 1.99	2.00 or higher
Percentage of Students at Level 3 or 4	27.4%	10.1% or lower	10.2% to 13.8%	13.9% to 16.8%	16.9% or higher
State Test Results - Math*					
Average Student Proficiency	2.71	2.14 or lower	2.15 to 2.27	2.28 to 2.37	2.38 or higher
Average Student Proficiency - School's Lowest Third	2.11	1.79 or lower	1.80 to 1.89	1.90 to 1.99	2.00 or higher
Percentage of Students at Level 3 or 4	34.2%	9.5% or lower	9.6% to 15.0%	15.1% to 19.4%	19.5% or higher
Core Course Pass Rates					
ELA	96.5%	79.1% or lower	79.2% to 84.0%	84.1% to 88.0%	88.1% or higher
Math	97.0%	80.1% or lower	80.2% to 84.8%	84.9% to 88.6%	88.7% or higher
Science	96.5%	82.3% or lower	82.4% to 86.4%	86.5% to 89.8%	89.9% or higher
Social Studies	95.8%	77.6% or lower	77.7% to 82.9%	83.0% to 87.1%	87.2% or higher
Percent of 8th Graders Earning HS Credit	15.2%	10.3% or lower	10.4% to 16.2%	16.3% to 21.0%	21.1% or higher
9th Grade Adjusted Credit Accumulation of Former 8th Graders	83.0%	76.9% or lower	77.0% to 80.9%	81.0% to 84.9%	85.0% 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	1.93	1.74 or lower	1.75 to 1.81	1.82 to 1.89	1.90 or higher
Integrated Co-Teaching	2.16	1.91 or lower	1.92 to 1.99	2.00 to 2.05	2.06 or higher
SETSS	2.35	1.96 or lower	1.97 to 2.07	2.08 to 2.16	2.17 or higher
ELL	2.31	1.91 or lower	1.92 to 2.02	2.03 to 2.12	2.13 or higher
Lowest Third Citywide	2.13	1.88 or lower	1.89 to 1.93	1.94 to 1.99	2.00 or higher
Black and Hispanic Males in Lowest Third Citywide	2.08	1.86 or lower	1.87 to 1.91	1.92 to 1.99	2.00 or higher
Math - Average Proficiency Rating					
Self-Contained	1.93	1.71 or lower	1.72 to 1.79	1.80 to 1.89	1.90 or higher
Integrated Co-Teaching	2.17	1.86 or lower	1.87 to 1.98	1.99 to 2.08	2.09 or higher
SETSS	2.61	1.89 or lower	1.90 to 2.04	2.05 to 2.17	2.18 or higher
ELL	2.41	1.91 or lower	1.92 to 2.07	2.08 to 2.20	2.21 or higher
Lowest Third Citywide	2.20	1.81 or lower	1.82 to 1.89	1.90 to 1.99	2.00 or higher
Black and Hispanic Males in Lowest Third Citywide	2.09	1.81 or lower	1.82 to 1.89	1.90 to 1.99	2.00 or higher
ELL Progress	56.1%	30.2% or lower	30.3% to 40.1%	40.2% to 48.1%	48.2% 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	71.2%	65.3% or lower	65.4% to 71.2%	71.3% to 75.9%	76.0% or higher
Movement of Students with Disabilities to Less Restrictive Environments	0.26	0.18 or lower	0.19 to 0.29	0.30 to 0.38	0.39 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.