

This Progress Report is for:

SCHOOL	Academy of Applied Mathematics and Technology (07X343)
PRINCIPAL	Rose-Marie Mills
ENROLLMENT	273
SCHOOL TYPE	MIDDLE SCHOOL
PEER INDEX	2.79

Progress Report Grade

**A**

What does this grade mean?

Schools are assigned letter grades based on their overall Progress Report score. Schools that get As and Bs are eligible for rewards. Schools that get Ds and Fs, or 3 Cs in a row, face consequences, including change in school leadership or school closure.

How did this school perform?

- This school's overall score for 2007-08 is 68.7
- This score places the School in the 77 percentile of all middle schools Citywide—i.e., 77 percent of those schools scored lower than this school
- This school met its 2007-08 target because it received an A two years in a row

Category	Calculated Score	Category Grade
School Environment	10.9 out of 15	A
Student Performance	16.4 out of 25	B
Student Progress	35.4 out of 60	B
Additional Credit	6.0 (15 max)	
Overall Score	68.7 out of 100	A

How scores translate to grades:

- Schools receive letter grades based on their overall score
- Schools with an overall score between 65.9–106 receive a letter grade of A
- 30% of schools earned an A in 2007-08

Middle School Table – Overall Grades

Grade	Score range	City summary
A	65.9–106	30% of schools
B	49.7–65.8	45% of schools
C	39–49.6	16% of schools
D	29.4–38.9	7% of schools
F	11.1–29.4	2% of schools

In This Report:

Each school's Progress Report (1) measures student year-to-year progress, (2) compares the school to peer schools and (3) rewards success in moving all children forward, especially children with the greatest needs. The Progress Report measures four areas:

School Environment

uses parent, teacher and secondary student surveys and other data to measure necessary conditions for learning: attendance, academic expectations, communication, engagement and safety and respect.

Student Performance

measures student skill levels in English Language Arts and Math.

Student Progress

measures average student improvement from last year to this year in English Language Arts and Math.

Closing the Achievement Gap

gives schools additional credit for exemplary gains among high-need students.

The back page provides specific information about how the school performed in each of these areas.

Quality Review Score

This school's 2007-08 Quality Review score is: Proficient

To see this school's Quality Review report, find the school's Web site at <http://schools.nyc.gov/>, click 'Statistics' and scroll down to Quality Review Report.

State Accountability Status

Based on its 2006-07 performance, this school is: In Good Standing

This status is determined by the New York State Department of Education under the No Child Left Behind (NCLB) Act. It is separate from the school's Progress Report Grade.

Additional Information

Closing the Achievement Gap

Schools earn additional credit when their high-need students make exemplary gains. These gains are based on the percentage of high-need students who improve by at least one-half of a proficiency level in English Language Arts or Math (e.g., student improves from 2.25 to 2.75 in ELA, or 3.20 to 3.70 in Math). Schools earn additional credit for any one of the five high-need categories of students if the percentage of students in that category who achieve exemplary gains is in the top 40% of all schools citywide.

This component can only improve a school's Progress Report grade. It cannot lower a school's grade.

Credit	Exemplary Proficiency Gains	Student Group
<b>English Language Arts</b>		
+0.75	27.3%	English Language Learners
+0.75	31.0%	Special Education Students
	19.1%	Hispanic Students in the Lowest Third Citywide
	18.2%	Black Students in the Lowest Third Citywide
	-	Other Students in the Lowest Third Citywide
<b>Mathematics</b>		
+1.5	47.6%	English Language Learners
+1.5	46.7%	Special Education Students
+1.5	44.3%	Hispanic Students in the Lowest Third Citywide
	24.0%	Black Students in the Lowest Third Citywide
	-	Other Students in the Lowest Third Citywide

(-) indicates less than 15 students in this category

Peer Schools

Each school's performance is compared to the performance of schools in its peer group. Peer schools are those New York City public schools with a student population most like this school's population. Each school has up to 40 peer schools.

For Elementary and K-8 Schools, peer schools are determined based on the percentage of students at each school that are English Language Learners, Special Education, Black/Hispanic and Title I eligible.

For Middle Schools, peer schools are determined based on the average ELA and Math proficiency levels of the school's students before they entered Middle School.

The peer schools for Academy of Applied Mathematics and Technology are:

DBN	School Name	DBN	School Name
03M044	J.H.S. M044 William J. O'shea	06M349	Harbor Heights
17K246	M.S. 246 Walt Whitman	08X302	M.S. 302 Luisa Dessus Cruz
17K587	Middle School for the Arts	03M415	Wadleigh Secondary School for the Performing & Visual Arts
12X245	New Day Academy	17K002	M.S. 002
10X080	J.H.S. 080 The Mosholu Parkway	06M328	M.S. 328 - Manhattan Middle School for Scientific Inquiry
04M013	J.H.S. 013 Jackie Robinson	09X229	I.S. 229 Roland Patterson
14K586	Lyons Community School	09X339	I.S. 339
13K571	M.S. 571	10X331	The Bronx School of Science Inquiry and Investigation
02M047	47 The American Sign Language and English Dual Lang	17K484	Ronald Edmonds Learning Center II
16K035	M.S. 035 Stephen Decatur	06M319	M.S. 319 - Maria Teresa
18K581	East Flatbush Community Research School	19K166	J.H.S. 166 George Gershwin
07X551	Bronx Academy of Letters	09X219	I.S. 219 New Venture School
18K598	Middle School of Marketing and Legal Studies	17K352	Ebbets Field Middle School
06M322	Middle School 322	07X151	J.H.S. 151 Lou Gehrig
16K385	School of Business Finance and Entrepreneurship	07X203	M.S. 203
13K265	Dr. Susan S. McKinney Secondary School of the Arts	09X328	New Millennium Business Academy Middle School
09X145	J.H.S. 145 Arturo Toscaninni	05M286	I.S. M286 Renaissance Military Leadership Academy
09X022	J.H.S. 022 Jordan L. Mott	08X301	M.S. 301 Paul L. Dunbar
15K136	I.S. 136 Charles O. Dewey	06M324	M.S. 324 - Patria
16K057	J.H.S. 057 Whitelaw Reid	10X254	I.S. 254

The Progress Report is a key component of Mayor Michael R. Bloomberg's and Chancellor Joel I. Klein's Children First reforms. The Progress Report is designed to assist administrators, principals and teachers in accelerating the learning of all students. The Progress Report also enables students, parents and the public to hold the NYC Department of Education and its schools accountable for student achievement and improvement and for ensuring a high quality education for every student in NYC's public schools. If you have any questions or comments about the Progress Report, please visit <http://schools.nyc.gov/Accountability/SchoolReports/ProgressReports/> or send us an email at [pr\\_support@schools.nyc.gov](mailto:pr_support@schools.nyc.gov).

# Results by Category

SCHOOL Academy of Applied Mathematics and Technology  
PRINCIPAL Rose-Marie Mills

## HOW TO INTERPRET THIS CHART

A school is evaluated by asking how far its score in each category has moved along the range of scores for all schools. These charts show that movement as a percentage. In the example to the right, the school's score is 75% of the way from the lowest to the highest score in the City.

If a school performs at the top end of the range, the bar will be fully shaded. If a school performs at the low end of the range, the bar will not be shaded. If a school performs in the middle of the range, half the bar will be shaded.

Attendance  
90%



In this example, the school's attendance is 90%. This is 75% of the way from the lowest attendance at any school (80%) to the highest attendance (100%).

Below, the green charts on the left compare the school to its peer group. The blue charts on the right compare the school to schools Citywide. Peer scores count three times as much as City scores. Peer and City ranges are based on the outcomes of schools from 2005-08.

## School Environment

Comprises 15% of the Overall Score

This Year's Score:  
0.729 x 15 = 10.9

**A**

### Survey Scores (10 points)

Academic Expectations: 7.9

Communication: 7.1

Engagement: 7.5

Safety and Respect: 7.7

### Attendance (5 points)

89.1%

Your School's Score	0% Peer Min	25%	50%	75%	100% Peer Max	0% City Min	25%	50%	75%	100% City Max	Number of students
7.9	84.0%	5.8			8.3	77.8%	5.8			8.5	
7.1	83.3%	5.1			7.5	80.8%	5.0			7.6	
7.5	92.6%	5.0			7.7	86.7%	4.9			7.9	
7.7	90.0%	5.0			8.0	75.8%	5.2			8.5	
89.1%	52.1%	83.0%			94.7%	32.8%	84.8%			97.9%	

## Student Performance

Comprises 25% of the Overall Score

This Year's Score:  
0.657 x 25 = 16.4

**B**

### English Language Arts

Percentage of Students at Proficiency (Level 3 or 4): 23.8%

Median Student Proficiency (1.00-4.50): 2.75

### Mathematics

Percentage of Students at Proficiency (Level 3 or 4): 58.6%

Median Student Proficiency (1.00-4.50): 3.08

Your School's Score	0% Peer Min	25%	50%	75%	100% Peer Max	0% City Min	25%	50%	75%	100% City Max	Number of students
23.8%	50.2%	8.9%			38.6%	24.8%	2.6%			88.0%	265
2.75	66.7%	2.25			3.00	36.0%	2.34			3.48	265
58.6%	91.2%	1.7%			64.1%	54.8%	8.5%			100.0%	268
3.08	85.9%	1.92			3.27	52.9%	2.09			3.96	268

## Student Progress

Comprises 60% of the Overall Score

This Year's Score:  
0.59 x 60 = 35.4

**B**

### English Language Arts

Percentage of Students Making at Least 1 Year of Progress: 56.6%

Percentage of Students in School's Lowest 1/3 Students Making at Least 1 Year of Progress: 86.8%

Average Change in Student Proficiency for Level 1 and Level 2 Students: 0.13

Average Change in Student Proficiency for Level 3 and Level 4 Students: (0.21)

### Mathematics

Percentage of Students Making at Least 1 Year of Progress: 72.6%

Percentage of Students in School's Lowest 1/3 Students Making at Least 1 Year of Progress: 81.0%

Average Change in Student Proficiency for Level 1 and Level 2 Students: 0.46

Average Change in Student Proficiency for Level 3 and Level 4 Students: 0.02

Your School's Score	0% Peer Min	25%	50%	75%	100% Peer Max	0% City Min	25%	50%	75%	100% City Max	Number of students
56.6%	36.5%	45.6%			75.7%	51.3%	41.0%			71.4%	267
86.8%	70.1%	63.6%			96.7%	79.6%	61.5%			93.3%	91
0.13	21.4%	0.07			0.35	20.0%	0.07			0.37	190
(0.21)	32.4%	(0.32)			0.02	20.7%	(0.27)			0.02	77
72.6%	81.2%	31.7%			82.1%	79.3%	35.5%			82.3%	272
81.0%	78.7%	32.5%			94.1%	80.8%	44.5%			89.7%	84
0.46	84.2%	(0.02)			0.55	82.5%	(0.01)			0.56	147
0.02	67.7%	(0.42)			0.23	67.3%	(0.31)			0.18	125