



This Progress Report is for:

SCHOOL	Archimedes Academy for Math Science and Technology
PRINCIPAL	Miriam Lazar
ENROLLMENT	107
SCHOOL TYPE	MIDDLE SCHOOL
PEER INDEX	2.94

Category	Calculated Score	Category Grade
School Environment	out of 15	
Student Performance	out of 25	
Student Progress	out of 60	
Additional Credit	(15 max)	
Overall Score	out of 100	

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 did not receive a Quality Review in 2007-08.

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
English Language Arts		
-	-	English Language Learners
+1.5	38.9%	Special Education Students
	21.9%	Hispanic Students in the Lowest Third Citywide
-	-	Black Students in the Lowest Third Citywide
-	-	Other Students in the Lowest Third Citywide
Mathematics		
-	-	English Language Learners
	22.2%	Special Education Students
	13.3%	Hispanic Students in the Lowest Third Citywide
	13.3%	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 Archimedes Academy for Math Science and Technology Applications are:

DBN	School Name	DBN	School Name
01M301	Technology Arts and Sciences Studio	05M344	Academy of Collaborative Education
01M450	East Side Community High School	18K068	I.S. 068 Isaac Bildersee
17K531	School for Human Rights The	08X376	Antonia Pantoja Preparatory Academy A College Board Sch
04M635	Academy of Environmental Science Secondary High Sch	01M509	Marta Valle Secondary School
01M292	Henry Street School for International Studies	11X142	J.H.S. 142 John Philip Sousa
32K349	I.S. 349 Math Science & Tech.	10X243	West Bronx Academy for the Future
06M348	Washington Heights Expeditionary Learning School	32K347	I.S. 347 School of Humanities
29Q192	I.S. 192 The Linden	09X166	J.H.S. 166 Roberto Clemente
15K464	Secondary School for Research	01M332	University Neighborhood Middle School
12X269	Bronx Studio School for Writers and Artists	08X366	Urban Assembly Academy of Civic Engagement
10X308	Bronx Dance Academy School	11X370	School of Diplomacy
19K218	J.H.S. 218 James P. Sinnott	13K336	Academy of Business and Community Development
30Q235	Academy for New Americans	12X341	Accion Academy
14K071	Juan Morel Campos Secondary School	12X271	East Bronx Academy for the Future
30Q126	Albert Shanker School for Visual and Performing Arts	12X318	I.S. X318 Math Science & Technology Through Arts
12X270	Academy for Scholarship and Entrepreneurship: A Colleg	17K353	Elijah Stroud Middle School
03M247	M.S. M247 Dual Language Middle School	03M256	M.S. 256 Academic & Athletic Excellence
10X206	I.S. 206 Ann Mersereau	16K584	M.S. 584
20K223	J.H.S. 223 The Montauk	12X217	School of Performing Arts
07X221	South Bronx Preparatory: A College Board School	15K442	New Horizons School

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.

Results by Category

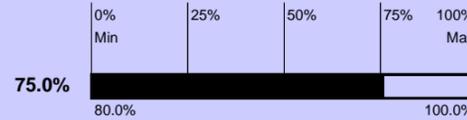
SCHOOL Archimedes Academy for Math Science and Technology Applications
 PRINCIPAL Miriam Lazar

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

	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
Survey Scores (10 points)												
Academic Expectations:	7.3	58.6%	5.6			8.5	55.6%	5.8			8.5	
Communication:	6.6	58.6%	4.9			7.8	61.5%	5.0			7.6	
Engagement:	7.0	70.0%	4.9			7.9	70.0%	4.9			7.9	
Safety and Respect:	6.9	54.5%	5.1			8.4	51.5%	5.2			8.5	
Attendance (5 points)	92.3%	74.5%	85.3%			94.7%	57.3%	84.8%			97.9%	

Student Performance

Comprises 25% of the Overall Score

	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
English Language Arts												
Percentage of Students at Proficiency (Level 3 or 4):	35.0%	62.7%	17.0%			45.7%	37.9%	2.6%			88.0%	103
Median Student Proficiency (1.00-4.50):	2.92	82.4%	2.50			3.01	50.9%	2.34			3.48	103
Mathematics												
Percentage of Students at Proficiency (Level 3 or 4):	45.6%	59.7%	14.3%			66.7%	40.5%	8.5%			100.0%	103
Median Student Proficiency (1.00-4.50):	2.85	57.7%	2.25			3.29	40.6%	2.09			3.96	103

Student Progress

Comprises 60% of the Overall Score

	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
English Language Arts												
Percentage of Students Making at Least 1 Year of Progress	54.2%	32.6%	46.3%			70.5%	43.4%	41.0%			71.4%	96
Percentage of Students in School's Lowest 1/3 Students Making at Least 1 Year of Progress	86.1%	71.1%	67.4%			93.7%	77.4%	61.5%			93.3%	36
Average Change in Student Proficiency for Level 1 and Level 2 Students	0.19	50.0%	0.09			0.29	40.0%	0.07			0.37	56
Average Change in Student Proficiency for Level 3 and Level 4 Students	(0.22)	23.1%	(0.28)			(0.02)	17.2%	(0.27)			0.02	40
Mathematics												
Percentage of Students Making at Least 1 Year of Progress	19.4%	-35.5%	34.5%			77.0%	-34.4%	35.5%			82.3%	98
Percentage of Students in School's Lowest 1/3 Students Making at Least 1 Year of Progress	38.9%	-8.4%	42.8%			89.3%	-12.4%	44.5%			89.7%	36
Average Change in Student Proficiency for Level 1 and Level 2 Students	(0.04)	-10.9%	0.01			0.47	-5.3%	(0.01)			0.56	38
Average Change in Student Proficiency for Level 3 and Level 4 Students	(0.50)	-32.0%	(0.34)			0.16	-38.8%	(0.31)			0.18	60