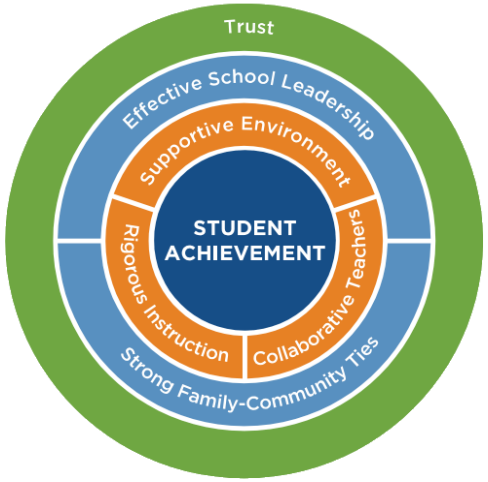
2014-15 School Quality Snapshot / HS

www.archimedesacademy.org

Archimedes Academy For Math, Science And Technology Applications (08X367)

Framework for Great Schools

Research shows that schools strong in the six areas are far more likely to improve student learning.



Rigorous Instruction	
Collaborative Teachers	
Supportive Environment	
Effective School Leadership	
Strong Family-Community Ties	
Trust	
Student Achievement	

KEY:
Excellent | Good | Fair | Poor

School Overview

Our school provides a challenging and innovative education focused on math, science, and the integration of technology into all subject areas. Our classes feature inquiry- and project-based curricula and the use of remote response systems. Our non-traditional physical education classes expose students to new experiences that they otherwise might never have. Our students are grouped into four Houses which are divided into smaller single-gender advisory groups led by a faculty member. Although classes change, students remain with their House and advisor until graduation. Our students graduate with the knowledge of math, science, and technology applications they need in order to succeed in today's digital society.

General Information

Principal: Miriam Lazar
Grades served: 06,07,08,09,10,11,12,SE
Enrollment: 637
Average SAT: 1251/2400
Shared Space: Yes
Admissions methods: Limited Unscreened

Student Demographics
Asian: 6% | Black: 31% | Hispanic: 61% | White: 2%
English Language Learners: 6%
Student with Special Needs: 29%

Staff Experience
Years of principal experience at this school: 8
% of teachers with 3 or more years of experience: 71%

Attendance
Student Attendance: 88% | Students Chronically Absent: 37%
Teacher Attendance: 97%

456 White Plains Road
Bronx, NY 10473
718-617-5046

Activities, Sports, and Arts

80% of students feel that this school offers a wide enough variety of programs, classes, and activities to keep them interested in school

Extracurricular Activities
After-school Tutoring, Book Club, Hip-Hop Dance, Peer Mediation, Robotics , Saturday Academy, Science Olympiad, Student Council, Talent Show, Youth & Government

PSAL Sports
Boys: Baseball, Basketball, Cross Country, Fencing

Girls: Basketball, Cross Country, Indoor Track, Outdoor Track, Softball, Stunt, Volleyball

Co-Ed: Stunt

Arts Classes
Core Music, Mixed Media, Cartooning, Music Enterprise, Management, and Careers, Drawing, Guitar

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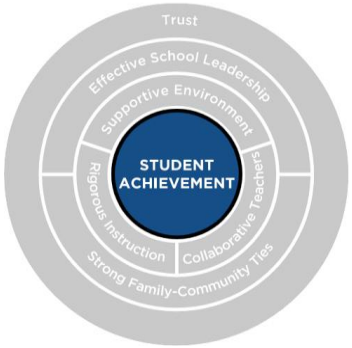

[1] College or career preparatory courses and exams (number of students successfully completing out of 86 seniors):

Algebra II Regents	(4)
Chemistry Regents	(2)
Other Advanced Course	(1)

Student Achievement

This section presents information on the progress towards graduation, graduation rates, college and career readiness, and postsecondary options pursued by students at this school.

Progress Toward Graduation

Credits

67%

earned enough credits in 9th grade to be on track for graduation

City: 84%
Borough: 78%
Comparison Group*: 74%

77%

earned enough credits in 10th grade to be on track for graduation

City: 79%
Borough: 74%
Comparison Group*: 69%

Regents

How well does this school help students improve from their incoming proficiency levels and pass Regents exams?

English
Mathematics
Science
Social Studies

Graduation

4-Year

58%

graduated within four years

City: 70%
Borough: 62%
Comparison Group*: 61%

6-Year

N/A

graduated within six years

City: 76%
Borough: 68%
Comparison Group*: N/A

At this school, how did students from different starting points in 8th grade perform in high school?

Starting Point (8th grade level)	High School Outcomes: Graduated in 4 yrs		College ready	
	School	City	School	City
Level 3 or 4	N/A	95%	N/A	86%
Level 2	85%	81%	30%	32%
Level 1	44%	47%	6%	4%

Closing the Achievement Gap

How well did this school help different groups of students graduate in four years?

English Language Learners	N/A
Students with Special Needs	
City's Lowest Performing Students	

The citywide graduation rates are projected numbers, subject to correction by the New York State Education Department.

College and Career Readiness

7%

successfully completed approved college or career preparatory courses and assessments[1]

City: 46%
Borough: 30%
Comparison Group*: 29%

14%

graduated college ready (met CUNY's standards for avoiding remedial classes)

City: 35%
Borough: 22%
Comparison Group*: 15%

33%

graduated from high school and enrolled in college or other postsecondary program within 6 months

City: 53%
Borough: 43%
Comparison Group*: 46%

Postsecondary options that students from this school pursued:

4%	CUNY (City University of New York) - 4 yr
7%	CUNY (City University of New York) - 2 yr
12%	New York State Public
6%	New York State Private
5%	Out of State
0%	Other

KEY:

Excellent
Good
Fair
Poor

***Comparison Group** is made up of students from other schools across the city who were the most similar to the students at this school, based on their incoming test scores, disability status, economic need, and over-age status. Comparing the school's result to the "comparison group" result provides insight on how well the school is helping its students in light of their starting points and the challenges that they face.

The section ratings are based on more information than what is included in this summary report. For more information, please see: http://schools.nyc.gov/Accountability

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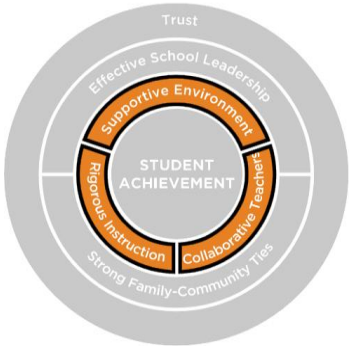

[1] **Quality Review**
Ratings from an experienced educator who visited and evaluated the school on 4-Dec-14

[2] **Survey Response Rates**

Teachers: 72%
Parents: 19%
Students: 83%

KEY:

Excellent
Good
Fair
Poor

Rigorous Instruction

Curriculum and instruction are designed to engage students, foster critical thinking skills, and are aligned to the Common Core.

Quality Review [1]

How interesting and challenging is the curriculum?

How effective is the teaching and learning?

How well does the school assess what students are learning?

Survey [2]

81%

responded positively to questions about Rigorous Instruction

City: 86%
Borough: 84%

Selected Questions

86% of students say that they learn a lot from feedback on their work (City: 84%)

91% of students know what their teacher wants them to learn in class (City: 91%)

70% of teachers say that students build on each other's ideas during class discussions (City: 81%)

Collaborative Teachers

Teachers participate in opportunities to develop, grow, and contribute to the continuous improvement of the school community.

Quality Review

How well do teachers work with each other?

Survey

78%

responded positively to questions about Collaborative Teachers

City: 87%
Borough: 85%

Selected Questions

67% of teachers say that they work together to design instructional programs (City: 89%)

73% of teachers say that they have opportunities to work productively with colleagues in their school (City: 85%)

79% of teachers say that they feel responsible that all students learn (City: 87%)

Supportive Environment

The school establishes a culture where students feel safe, challenged to grow, and supported to meet high expectations.

Quality Review

How clearly are high expectations communicated to students and staff?

Less Restrictive Environment

Movement of students with special needs to less restrictive environments

Survey

80%

responded positively to questions about Supportive Environment

City: 83%
Borough: 82%

Selected Questions

81% of students feel safe in the hallways, bathrooms, locker room, and cafeteria (City: 85%)

71% of students say that teachers notice when they are upset or having emotional difficulty (City: 72%)

77% of students say that this school supports students in navigating the post-secondary process (City: 82%)

The section ratings are based on more information than what is included in this summary report. For more information, please see: http://schools.nyc.gov/Accountability

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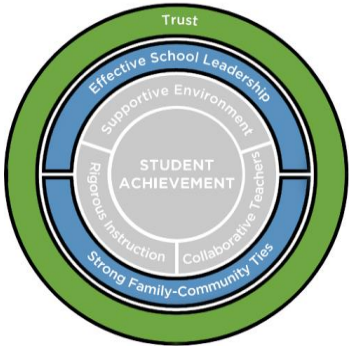

Effective School Leadership

School leadership inspires the school community with a clear instructional vision and effectively distributes leadership to realize this vision.

Survey [2]

66%

responded positively to questions about Effective School Leadership

City: 82%
Borough: 81%

Selected Questions

70% of teachers say that the principal communicates a clear vision for this school (City: 87%)

67% of teachers say that curriculum and instruction are well coordinated across different grade levels (City: 79%)

84% of parents feel that the principal works to create a sense of community in the school (City: 90%)

Strong Family-Community Ties

The school forms effective partnerships with families and outside organizations to improve the school.

Survey

71%

responded positively to questions about Strong Family-Community Ties

City: 77%
Borough: 76%

Selected Questions

85% of parents say that school staff regularly communicate with them about how the staff can help their children learn (City: 88%)

84% of parents feel that teachers try to understand families' problems and concerns (City: 90%)

89% of teachers say that teachers at this school work closely with families to meet students' needs (City: 94%)

Trust

Relationships between administrators, educators, students, and families are based on trust and respect.

Survey

83%

responded positively to questions about Trust

City: 89%
Borough: 88%

Selected Questions

76% of teachers say that they trust the principal (City: 84%)

74% of teachers say that they trust each other (City: 87%)

83% of parents say that school staff work hard to build trusting relationships with them (City: 90%)

85% of students say that teachers treat them with respect (City: 84%)

Additional Information

This report is intended to provide a useful summary of school information, but it does not cover everything.

To learn more, parents are encouraged to review additional resources, such as the School Directory, the School Quality Guide, the Quality Review, and the NYC School Survey, and to speak with members of the school community.

[2] Survey Response Rates

Teachers: 72%
Parents: 19%
Students: 83%

KEY:

Excellent
Good
Fair
Poor

For more information on this document: #http://schools.nyc.gov/NR/rdonlyres/7A334DFB-D6DD-4740-A849-E2B01B628BA6/0/SnapshotFamilyGuideHS2015.pdf#

School Quality Guide: http://schools.nyc.gov/OA/SchoolReports/2014-15/School_Quality_Guide_2015_HS_X367.pdf
Quality Review: http://schools.nyc.gov/OA/SchoolReports/2014-15/Quality_Review_2015_X367.pdf
NYC School Survey: http://schools.nyc.gov/OA/SchoolReports//2014-15/Survey_2015_X367.pdf
NYC School Directory: http://schools.nyc.gov/ChoicesEnrollment/High/Directory/school/?sid=7850