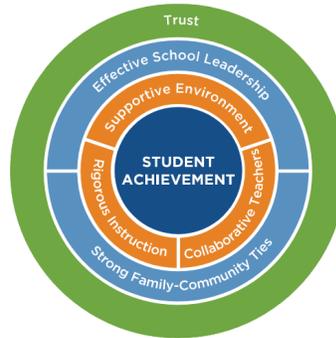


New Explorations into Science, Technology and Math High School (01M539)

Overall School Ratings



Framework for Great Schools

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



School Info

General Information

School website: nestmk12.net
 Principal: Mark Berkowitz
 Grades served: 0K,01,02,03,04,05,06,07,08,09,10,11,12,SE
 Enrollment: 1152
 Shared space: No
 Elementary school admissions methods: Choice School
 Middle school admissions methods: Screened

Student Demographics

Asian: 35%
 Black: 5%
 Hispanic: 8%
 White: 43%
 English language learners: 1%
 Students with special needs: 5%

Staff Experience

Years of principal experience at this school: 3
 Teachers with three or more years of experience: 64%

Attendance

Student attendance: 97% (City: 94%)
 Students chronically absent: 5% (City: 20%)
 Teacher attendance: 97%

School Overview

New Explorations into Science, Technology, and Math (NEST+m) is a Citywide G&T K-12 school. Our academically rigorous program has made us one of the finest schools in the city. We are committed to developing each student's capacity for academic and intellectual achievement. We are committed to developing each student's capacity to learn both individually and collaboratively. We provide a range of services for students with disabilities including a full-inclusion program. NEST+m students blossom into practitioners: scientists, mathematicians, engineers, artists, writers, historians, musicians, painters, and linguists who approach their studies with passion and purpose.

Location



111 Columbia Street
 Manhattan, NY 10002
 Phone: 212-677-5190

Activities and Sports

82% of students say that this school offers a wide enough variety of programs, classes, and activities to keep them interested in school
 City: 71%

Extracurricular Activities

Chess Team; Honor Band; Jazz Band; Math Team; Student Government; Theater

CHAMPS Sports

Boys: Baseball, Soccer
 Girls: Soccer
 Co-Ed: N/A

Student Achievement

Overall Rating for Student Achievement

Excellent



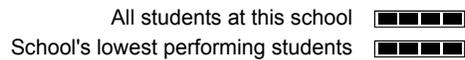
The **Student Achievement** rating looks at this school's State test results, including student growth and performance; how students performed in core courses; and how well students are prepared for high school.

The overall section rating is a combination of many Student Achievement measures, including those presented here.

Growth on State Tests

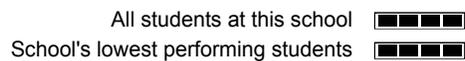
English

How well did this school help students improve on their State English tests?



Math

How well did this school help students improve on their State math tests?



Closing the Achievement Gap

How well did this school help different groups of students improve on their State English and math tests?

	English	Math
English language learners	N/A	N/A
Students with special needs		
City's lowest performing students	N/A	N/A

Passing Courses

Core Courses

99% pass rate by this school's students in their math, English, social studies, and science classes
 Comparison Group: 99%
 District 01: 90%
 City: 91%

Next Level Readiness

99% of this school's former eighth graders earned enough high school credit in ninth grade to be on track for graduation
 Comparison Group: 99%
 District 01: 95%
 City: 90%

Performance on State Tests

English

96% met State standards on the State English test; the average score at this school was 4.0 out of 4.5
 Comparison Group: 95%
 District 01: 54%
 City: 47%

Math

96% met State standards on the State math test; the average score at this school was 4.1 out of 4.5
 Comparison Group: 96%
 District 01: 47%
 City: 43%

Improvement on State Tests

Over the past two years, how did eighth graders' State test scores compare to their scores from when they were in fifth grade?

English

Fifth-grade test scores	Eighth-grade test scores
Level 3 or 4	97% scored 3 or 4 (Comp Group: 97%)
Level 2	N/A scored 3 or 4 (Comp Group: N/A)
Level 1	N/A scored 2, 3, or 4 (Comp Group: N/A)

Math

Fifth-grade test scores	Eighth-grade test scores
Level 3 or 4	99% scored 3 or 4 (Comp Group: 96%)
Level 2	N/A scored 3 or 4 (Comp Group: N/A)
Level 1	N/A scored 2, 3, or 4 (Comp Group: N/A)

Frequently Attended High Schools

Which high schools did students from this school most frequently attend?

- 23% Stuyvesant High School
- 22% New Explorations Into Science, Technology And Math High School
- 17% Brooklyn Technical High School
- 9% The Bronx High School Of Science
- 6% Fiorello H. Laguardia High School Of Music & Art And Performing Arts

Rigorous Instruction

Overall Rating for Rigorous Instruction

Good



The **Rigorous Instruction** rating looks at how well curriculum and instruction are designed to engage students, foster critical thinking skills, and are aligned to the Common Core.

This section rating combines results from the **Quality Review** and **NYC School Survey**.

Quality Review

How interesting and challenging is the curriculum?



How effective is the teaching and learning?



How well does the school assess what students are learning?



*Quality Review ratings are from an experienced educator who visited and evaluated the school **April 2017**.*

Read the complete [Quality Review Report \(PDF\)](#).

(http://nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf).

School Survey

82% responded positively to questions about Rigorous Instruction
District 01: 82%
City: 80%

Selected Questions about Rigorous Instruction

64% of students say that they learn a lot from feedback on their work
City: 66%

87% of students know what their teacher wants them to learn in class
City: 81%

79% of teachers say that students build on each other's ideas during class discussion
City: 66%

Collaborative Teachers

Overall Rating for Collaborative Teachers

Good



The **Collaborative Teachers** rating looks at how well teachers participate in opportunities to develop, grow, and contribute to the continuous improvement of the school community.

This section rating combines results from the **Quality Review** and **NYC School Survey**.

Quality Review

How well do teachers work with each other?



How well are teachers developed and evaluated?



*Quality Review ratings are from an experienced educator who visited and evaluated the school **April 2017**.*

Read the complete [Quality Review Report \(PDF\)](#).

(http://nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf).

School Survey

76% responded positively to questions about Collaborative Teachers
District 01: 83%
City: 80%

Selected Questions about Collaborative Teachers

80% of teachers say that they design instructional programs (for example, lessons and units) together
City: 73%

78% of teachers say that they had opportunities to work productively with colleagues at their school on professional development
City: 85%

94% of teachers say that teachers feel responsible that all students learn
City: 87%

Survey Response Rates

Teachers: 95% (94 surveys submitted)
Parents: 63% (970 surveys submitted)
Students: 82% (836 surveys submitted)

Find more survey questions in the [School Quality Guide](#) (tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=EMS).

Supportive Environment

Overall Rating for Supportive Environment

Good



The **Supportive Environment** rating looks at how well the school establishes a culture where students feel safe, challenged to grow, and supported to meet high expectations.

This section rating takes into account **Quality Review**, the **NYC School Survey**, and moving students with special needs to **less restrictive environments**, as well as chronic absenteeism.

Quality Review

How clearly are high expectations communicated to students and staff?



How safe and inclusive is the school?



Quality Review ratings are from an experienced educator who visited and evaluated the school April 2017.

Read the complete [Quality Review Report \(PDF\)](http://nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf).
(http://nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf).

Less Restrictive Environment

Movement of students with special needs to less restrictive environments



School Survey

71% responded positively to questions about Supportive Environment
District 01: 78%
City: 69%

Selected Questions about Supportive Environment

90% of students feel safe in the hallways, bathrooms, locker rooms, and cafeteria
City: 85%

53% of students say that their teachers support them when they are upset
City: 49%

70% of middle school students say that their school provides guidance for the application process for high school
City: 83%

Effective School Leadership

Overall Rating for Effective School Leadership

Good



The **Effective School Leadership** rating looks at how well school leadership inspires the school community with a clear instructional vision and effectively distributes leadership to realize this vision.

This section rating combines results from the **Quality Review** and **NYC School Survey**.

Quality Review

How well are resources aligned to instructional goals?



How well does the school meet its goals?



How well does the school make decisions?



Quality Review ratings are from an experienced educator who visited and evaluated the school April 2017.

Read the complete [Quality Review Report \(PDF\)](http://nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf).
(http://nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf).

School Survey

78% responded positively to questions about Effective School Leadership
District 01: 86%
City: 83%

Selected Questions about Effective School Leadership

78% of teachers say that the principal communicates a clear vision for this school
City: 88%

76% of teachers say that curriculum, instruction, and learning materials are well coordinated across different grade levels
City: 81%

92% of families feel that the principal works to create a sense of community in the school
City: 94%

Survey Response Rates

Teachers: 95% (94 surveys submitted)
Parents: 63% (970 surveys submitted)
Students: 82% (836 surveys submitted)

Find more survey questions in the [School Quality Guide](http://tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=EMS) (tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=EMS).

Strong Family-Community Ties

Overall Rating for Strong Family-Community Ties

Excellent



The **Strong Family-Community Ties** rating looks at how well the school forms effective partnerships with families and outside organizations to improve the school.

This section rating combines results from the **Quality Review** and **NYC School Survey**.

Quality Review

How well does the school partner with families?



Quality Review ratings are from an experienced educator who visited and evaluated the school April 2017.

Read the complete [Quality Review Report \(PDF\)](http://nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf).
(http://nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf).

School Survey

93% responded positively to questions about Strong Family-Community Ties
District 01: 93%
City: 90%

Selected Questions about Strong Family-Community Ties

- 88%** of families say that school staff regularly communicate with them about how families can help their child learn
City: 90%
- 87%** of families say that they have communicated with their child's teacher about their child's performance
City: 92%
- 97%** of teachers say that teachers at this school work closely with families to meet students' needs
City: 92%

Trust

Overall Rating for Trust

Good



The **Trust** rating looks at whether relationships between school leaders, teachers, students, and families are based on trust and respect.

The overall section rating is based on **NYC School Survey** responses.

School Survey

84% responded positively to questions about Trust
District 01: 89%
City: 87%

Selected Questions about Trust

- 58%** of teachers say that they trust the principal
City: 82%
- 95%** of teachers say that they trust each other
City: 85%
- 92%** of families say that school staff work hard to build trusting relationships with families like them
City: 92%
- 89%** of students say that their teachers treat them with respect
City: 82%

Survey Response Rates

Teachers: 95% (94 surveys submitted)
Parents: 63% (970 surveys submitted)
Students: 82% (836 surveys submitted)

Find more survey questions in the [School Quality Guide](http://tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=EMS) (tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=EMS).

Looking for more?

- Find the full set of survey questions and responses in the [School Quality Guide](http://tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=EMS) (tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=EMS). Also check the Guide for more about school demographics and student achievement.
- Read the complete [Quality Review Report \(PDF\)](http://www.nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf). (www.nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf).
- Find [kindergarten admissions information](http://schools.nyc.gov/enrollment/enroll-grade-by-grade/kindergarten) (schools.nyc.gov/enrollment/enroll-grade-by-grade/kindergarten).
- Multi-year performance data is available on the [School Performance Dashboard](http://tools.nycenet.edu/dashboard/#dbn=01M539&report_type=EMS) (tools.nycenet.edu/dashboard/#dbn=01M539&report_type=EMS).