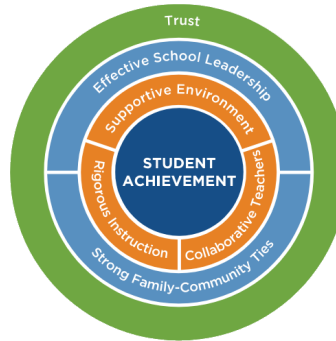


# New Explorations into Science, Technology and Math High School (01M539)

## 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](http://nestmk12.net)  
 Principal: Mark Berkowitz  
 Grades served: 0K,01,02,03,04,05,06,07,08,09,10,11,12,SE  
 Enrollment: 582  
 Average SAT: 1334/1600  
 Shared space: No  
 Admissions methods: Screened

### Student Demographics

Asian: 29%  
 Black: 13%  
 Hispanic: 19%  
 White: 35%  
 English language learners: 1%  
 Students with special needs: 14%

### Staff Experience

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

### Attendance

Student attendance: 95% (City: 89%)  
 Students chronically absent: 12% (City: 32%)  
 Teacher attendance: 97%

### School Overview

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 through individual and collaborative learning. 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. Multiple opportunities exist for students to have internships at local universities in the sciences and the arts.

### Location



[111 Columbia Street  
 Manhattan, NY 10002](https://www.google.com/maps/place/111+Columbia+Street,+Manhattan,+NY+10002)  
 Phone: 212-677-5190

### Activities, Sports, and Arts

**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

Art Exhibitions, Bi-annual Writing Competitions, Black Student Union, Borough Advisory Student Council, Chess Competitions, Comedy Troupe, Creative Writing Club, Debate, Dream Team, Girls Who Code, GSA, Hackathons, Key Club, Literary Magazine, Math Team/Contests, Model United Nations, Muslim Student Association, National Honor Society, NHS Peer Tutoring, Open Mic Events, Peer Leaders, Robotics, Student Government, Talent Show, Winter and Spring School Plays

#### PSAL Sports

**Boys:** Basketball, Fencing, Indoor Track, Soccer  
**Girls:** Basketball, Fencing, Indoor Track, Soccer, Softball, Table Tennis, Volleyball  
**Co-Ed:** N/A

#### Arts Classes

Acting, Studio Art, Concert Band, Music, Jazz Ensemble, Woodwind Ensemble

# Student Achievement

## Overall Rating for Student Achievement

### Excellent



The **Student Achievement** rating looks at students' progress towards graduation, graduation rates, college and career readiness, and postsecondary enrollment.

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

### Graduation

#### 4-Year

**96%** graduated within four years  
 Comparison Group: 98%  
 Manhattan: 77%  
 City: 76%

#### 6-Year

**100%** graduated within six years  
 Comparison Group: 98%  
 Manhattan: 82%  
 City: 80%

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

#### Graduation Rates for Students of Different Achievement Levels

Over the past two years, what was the graduation rate for seniors who entered the school with different eighth-grade test scores?

8th-grade test score	Graduated in four years
Level 3 or 4	97% (Comp Group: 99%)
Level 2	N/A (Comp Group: N/A)
Level 1	N/A (Comp Group: N/A)
8th-grade test score	Graduated college ready
Level 3 or 4	97% (Comp Group: 97%)
Level 2	N/A (Comp Group: N/A)
Level 1	N/A (Comp Group: N/A)

### Progress Towards Graduation

#### Credits

**97%** earned enough credits in ninth grade to be on track for graduation  
 Comparison Group: 94%  
 Manhattan: 86%  
 City: 85%

**94%** earned enough credits in tenth grade to be on track for graduation  
 Comparison Group: 95%  
 Manhattan: 83%  
 City: 81%

#### Regents

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

English	
Algebra	
Social Studies	
Living Environment	

### College and Career Readiness

**99%** successfully completed approved college or career preparatory courses and exams  
 Comparison Group: 92%  
 Manhattan: 51%  
 City: 49%

**93%** graduated college ready (met CUNY's standards for avoiding remedial classes)  
 Comparison Group: 93%  
 Manhattan: 55%  
 City: 51%

**93%** graduated from high school and enrolled in college or other postsecondary program within six months  
 Comparison Group: 85%  
 Manhattan: 62%  
 City: 59%

#### College or Career Preparatory Courses and Exams

(number of students successfully completing out of 131 seniors):

- Algebra II Regents (125)
- Chemistry Regents (109)
- Physics Regents (102)
- Other A.P. Exams (96)
- A.P. Calculus (59)
- A.P. English Language (56)
- A.P. US History (53)
- A.P. Physics (23)
- College Credit Course (23)
- A.P. English Literature (20)
- A.P. Statistics (15)
- Technical Assessment (7)

#### Where Did Students Go After Graduating?

- 18% CUNY (City University of New York) - 4 year
- 3% CUNY (City University of New York) - 2 year
- 26% New York State Public
- 22% New York State Private
- 24% Out of State
- 1% Other

### 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	N/A
City's lowest performing students	N/A

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

#### School Survey

**82%** responded positively to questions about Rigorous Instruction  
Manhattan: 80%  
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](http://nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf)).*

#### School Survey

**76%** responded positively to questions about Collaborative Teachers  
Manhattan: 81%  
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=HS](https://tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=HS)).

## 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](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  
Manhattan: 73%  
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%

**85%** of high school students say that adults at their school inform them about the college application process  
City: 80%

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

#### School Survey

**78%** responded positively to questions about Effective School Leadership  
Manhattan: 83%  
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=HS) ([tools.nycenet.edu/guide/2018/#dbn=01M539&report\\_type=HS](http://tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=HS)).

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

#### School Survey

**93%** responded positively to questions about Strong Family-Community Ties  
Manhattan: 86%  
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  
Manhattan: 87%  
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=HS) ([tools.nycenet.edu/guide/2018/#dbn=01M539&report\\_type=HS](http://tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=HS)).

### 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=HS) ([tools.nycenet.edu/guide/2018/#dbn=01M539&report\\_type=HS](http://tools.nycenet.edu/guide/2018/#dbn=01M539&report_type=HS)). 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](http://www.nycenet.edu/OA/SchoolReports/2016-17/Quality_Review_2017_M539.pdf)).
- The [NYC School Finder](http://schoolfinder.nyc.gov/#/schools/01M539) ([schoolfinder.nyc.gov/#/schools/01M539](http://schoolfinder.nyc.gov/#/schools/01M539)) provides admissions information.
- Multi-year performance data is available on the [School Performance Dashboard](http://tools.nycenet.edu/dashboard/#dbn=01M539&report_type=HS) ([tools.nycenet.edu/dashboard/#dbn=01M539&report\\_type=HS](http://tools.nycenet.edu/dashboard/#dbn=01M539&report_type=HS)).