

This Progress Report is for:

SCHOOL	Isaac Newton Middle School for Math & Science (04M825)
PRINCIPAL	Lisa Nelson
ENROLLMENT	366
SCHOOL TYPE	MIDDLE SCHOOL
PEER INDEX	3.13

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 66.8
- This score places the School in the 74 percentile of all middle schools Citywide—i.e., 74 percent of those schools scored lower than this school
- This school met 100% of its improvement target from last year

Category	Calculated Score	Category Grade
School Environment	11.2 out of 15	A
Student Performance	14.4 out of 25	B
Student Progress	34.4 out of 60	B
Additional Credit	6.8 (15 max)	
Overall Score	66.8 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
English Language Arts		
+1.5	31.6%	English Language Learners
+0.75	30.6%	Special Education Students
+0.75	25.4%	Hispanic Students in the Lowest Third Citywide
+0.75	21.9%	Black Students in the Lowest Third Citywide
-	-	Other Students in the Lowest Third Citywide
Mathematics		
	28.2%	English Language Learners
+0.75	34.0%	Special Education Students
+1.5	44.4%	Hispanic Students in the Lowest Third Citywide
+0.75	39.3%	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 Isaac Newton Middle School for Math & Science are:

DBN	School Name	DBN	School Name
12X316	Kappa III	84M726	KIPP S.T.A.R. College Preparatory
24Q093	I.S. 093 Ridgewood	11X372	Urban Assembly School for Wildlife Conservation
13K103	Satellite Three	10X241	Urban Assembly School for Applied Math and Science The
10X237	Marie Curie High School for Nursing Medicine and Allied	07X500	Hostos-Lincoln Academy of Science
28Q072	M.S. Q072 Catherine & Count Basie Middle School	30Q204	I.S. 204 Oliver W. Holmes
10X045	J.H.S. 045 Thomas C. Giordano	24Q077	I.S. 077
17K382	Academy for College Preparation and Career Exploration	05M367	Academy for Social Action: A College Board School
27Q226	J.H.S. 226 Virgil I. Grissom	23K518	Kappa V
10X324	Bronx Early College Academy for Teaching & Learning	09X303	I.S. X303 Leadership & Community Service
08X282	Young Women's Leadership School Bronx Campus	84M709	Harlem Village Academy Charter School
30Q145	I.S. 145 Joseph Pulitzer	20K220	J.H.S. 220 John J. Pershing
84M336	Kipp Infinity Charter School	12X242	Mott Hall V
31R051	I.S. 051 Edwin Markham	15K088	J.H.S. 088 Peter Rouget
09X327	Comprehensive Model School Project M.S. 327	11X326	Bronx Green Middle School
19K364	I.S. 364 Gateway	17K061	M.S. 061 Gladstone H. Atwell
08X125	J.H.S. 125 Henry Hudson	29Q059	I.S. 059 Springfield Gardens
15K448	Brooklyn Secondary School for Collaborative Studies	11X127	J.H.S. 127 The Castle Hill
31R027	I.S. 027 Anning S. Prall	19K311	Essence School
19K171	I.S. 171 Abraham Lincoln	09X517	Frederick Douglass Academy III Secondary School
11X181	I.S. 181 Pablo Casals	05M317	Kappa II

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 Isaac Newton Middle School for Math & Science
PRINCIPAL Lisa Nelson

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:
0.749 x 15 = 11.2

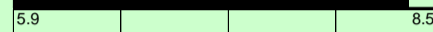
A

Survey Scores (10 points)

Academic Expectations:

8.3

92.3%



92.6%

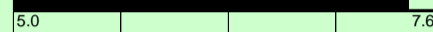


Number of students

Communication:

7.4

92.3%



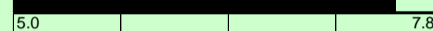
92.3%



Engagement:

7.5

89.3%



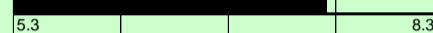
86.7%



Safety and Respect:

7.5

73.3%



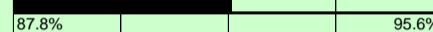
69.7%



Attendance (5 points)

91.8%

51.3%



53.4%



Student Performance

Comprises 25% of the Overall Score

This Year's Score:
0.574 x 25 = 14.4

B

English Language Arts

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

44.5%

45.1%



49.1%

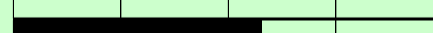


364

Median Student Proficiency (1.00-4.50):

2.98

58.9%



56.1%



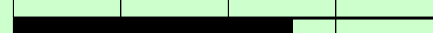
364

Mathematics

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

68.0%

65.1%



65.0%



362

Median Student Proficiency (1.00-4.50):

3.21

60.2%



59.9%



362

Student Progress

Comprises 60% of the Overall Score

This Year's Score:
0.573 x 60 = 34.4

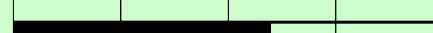
B

English Language Arts

Percentage of Students Making at Least 1 Year of Progress

59.7%

60.0%



61.5%



361

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

80.0%

53.7%



58.2%



135

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

0.23

54.5%



53.3%

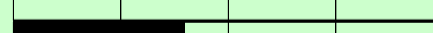


223

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

(0.15)

40.6%



41.4%



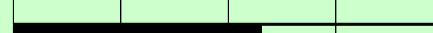
138

Mathematics

Percentage of Students Making at Least 1 Year of Progress

62.8%

58.7%



58.3%

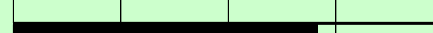


362

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

78.6%

71.6%



75.4%



126

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

0.39

63.0%



70.2%



142

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

(0.04)

51.2%



55.1%



220