Department of Education

Progress Report 2009-10

HIGH SCHOOL

This Progress Report is for:

SCHOOL	**New Explorations into Science, Technology and Math (01M539)**
PRINCIPAL	**Dr. Olga Livanis**
ENROLLMENT	**499**
SCHOOL TYPE	**HIGH SCHOOL**
PEER INDEX	**3.55**

Progress Report Grade

B

What does this grade mean?

Schools are assigned letter grades based on their overall Progress Report score. Monetary bonuses may be given to principals and teachers at high-scoring schools. Schools that get Ds and Fs, or 3 Cs in a row are considered for more intensive support or intervention.

How did this school perform?

- This school's overall score for 2009-10 is 67.2
- This school did better than 54% of all high schools citywide.

Category	Calculated Score	Category Grade
School Environment	**8.1** out of 15	C
Student Performance	**23.7** out of 25	A
Student Progress	**35.4** out of 60	B
Additional Credit	**0.0** (15 max)	
Overall Score	**67.2** out of 100	B

How scores translate to grades:

- Schools receive letter grades based on their overall score
- Schools with an overall score between 58.0 - 69.9 receive a letter grade of B
- 29.3% of high schools earned a B in 2009-10

High School Table – Overall Grades

Grade	Score range	City summary
A	70.0 or higher	40.2% of high schools
B	58.0 - 69.9	29.3% of high schools
C	47.0 - 57.9	20.8% of high schools
D	40.0 - 46.9	6.9% of high schools
F	39.9 or lower	2.7% of high 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
evaluates a high school's success in graduating students.

Student Progress
evaluates annual student advancement toward graduation through credit accumulation and passed Regents. In the weighted Regents pass rate measures, schools receive more points if they are able to help high need students pass the exams.

Closing the Achievement Gap
gives schools additional credit for helping high-need students graduate college-ready.

The second page provides specific information about how the school performed in each of these areas.

Quality Review Score
This school's most recent Quality Review score is:
Proficient (2007-08)

To see this school's Quality Review report, please visit
http://schools.nyc.gov/SchoolPortals/01/M539/AboutUs/Statistics/default.htm

State Accountability Status
Based on its performance, this school is:
In Good Standing (2009-10)
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 achieve exemplary outcomes. In high school, our ultimate goal is for all students to graduate ready for college. Accordingly, schools can earn additional credit based on the weighted diploma rate of high needs students, which gives higher weight to students with more college-ready diplomas such as Regents and Advanced Regents.

Schools can also earn additional credit based on the percentage of students, in the lowest third citywide who score a 75 or higher on the English Regents or on a Math Regents. Students with these scores are more likely to be able to attend a four-year University without the need for remedial classes.

This component can only improve a school's Progress Report grade. It cannot lower a school's grade.

Credit	Exemplary Outcomes	Additional Credit Category
		Weighted 4-Year Diploma Rate
	-	English Language Learners
	-	SETSS / CTT / Self-Contained Students
	-	Students in the Lowest Third Citywide
		Lowest Third Citywide
	-	Scored 75 or higher on the ELA Regents
	-	Scored 75 or higher on the Math Regents

(-) indicates less than than the minimum number of 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 High Schools, peer schools are determined based on four factors: 1) the average ELA and Math proficiency levels of the school's students before they entered High School, 2) the percentage of special education students, 3) the percentage of self-contained special education students, and 4) the percentage of students who enter high school 2 or more years overage. A lower peer index indicates a higher need population.

The peer schools for New Explorations into Science, Technology and Math are:

DBN	School Name	DBN	School Name
02M475	Stuyvesant High School	84M335	Leadership Village Academy Charter School
25Q525	Townsend Harris High School	02M411	Baruch College Campus High School
10X445	Bronx High School of Science	30Q501	Frank Sinatra School of the Arts High School
31R605	Staten Island Technical High School	28Q284	York Early College Academy
28Q687	Queens High School for the Sciences at York Colleg	02M418	Millennium High School
01M696	Bard High School Early College	02M376	NYC iSchool
13K430	Brooklyn Technical High School	17K590	Medgar Evers College Preparatory School
10X696	High School of American Studies at Lehman Colleg	13K670	Benjamin Banneker Academy
05M692	High School for Mathematics, Science and Enginee	22K555	Brooklyn College Academy
27Q323	Scholars' Academy	03M541	Manhattan / Hunter Science High School
24Q299	Bard High School Early College II	02M408	Professional Performing Arts High School
03M485	Fiorello H. LaGuardia High School of Music & Art ar	84X704	Kipp Academy Charter School
14K449	Brooklyn Latin School, The	17K543	Science, Technology and Research Early College High Sch
84K355	Williamsburg Collegiate Charter School	02M412	N.Y.C. Lab School for Collaborative Studies
02M416	Eleanor Roosevelt High School	30Q286	Young Women's Leadership School, Astoria
30Q580	Baccalaureate School for Global Education	27Q650	High School for Construction Trades, Engineering and Archi
84M336	Kipp Infinity Charter School	84M709	Harlem Village Academy Charter School
22K535	Leon M. Goldstein High School for the Sciences		
28Q680	Queens Gateway to Health Sciences Secondary Sc		
03M479	Beacon High 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/Tools/Report/Default.htm or send us an email at pr_support@schools.nyc.gov.

Results by Category

SCHOOL **New Explorations into Science, Technology and Math (01M539)**
PRINCIPAL **Dr. Olga Livanis**

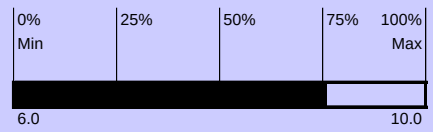
HIGH SCHOOL

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

Engagement 9.0 **75.0%**



In this example, the school's engagement score is 9.0. This is 75% of the way from the lowest engagement at any school (6.0) to the highest engagement (10.0).

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 2006-07, 2007-08 and 2008-09.

School Environment

Comprises 15% of the Overall Score

This Year's Score: **8.1 out of 15**

C

	Your School's Score	Your School Relative to Peer Horizon:	Your School Relative to City Horizon:	Number of students
Survey Scores (10 points)				
Academic Expectations	7.8	**45.8%** (6.7 – 9.1)	**73.1%** (5.9 – 8.5)	
Communication	6.7	**50.0%** (5.2 – 8.2)	**64.3%** (4.9 – 7.7)	
Engagement	7.0	**51.7%** (5.5 – 8.4)	**70.0%** (4.9 – 7.9)	
Safety and Respect	7.8	**45.5%** (6.8 – 9.0)	**77.4%** (5.4 – 8.5)	
Attendance (5 points)	94.0%	**42.7%** (89.9% – 99.5%)	**83.9%** (73.2% – 98.0%)	

Student Performance

Comprises 25% of the Overall Score

This Year's Score: **23.7 out of 25**

A

	Your School's Score	Your School Relative to Peer Horizon:	Your School Relative to City Horizon:	Number of students
Four Year				
Graduation Rate	100.0%	**100.0%** (87.0% – 100.0%)	**100.0%** (33.8% – 100.0%)	46
Weighted Diploma Rate	301.1%	**97.4%** (158.5% – 304.9%)	**132.7%** (34.6% – 235.4%)	46
Six Year				
Graduation Rate	96.7%	**72.7%** (87.9% – 100.0%)	**94.4%** (40.7% – 100.0%)	60
Weighted Diploma Rate	270.0%	**85.2%** (143.3% – 292.0%)	**122.5%** (38.9% – 227.5%)	60

Student Progress

Comprises 60% of the Overall Score

This Year's Score: **35.4 out of 60**

B

	Your School's Score	Your School Relative to Peer Horizon:	Your School Relative to City Horizon:	Number of students
Credit Accumulation				
Percentage of Students Earning 10+ Credits in 1st Year	98.6%	**84.1%** (91.2% – 100.0%)	**97.5%** (43.3% – 100.0%)	143
Percentage of Students in School's Lowest Third Earning 10+ Credits in 1st Year	97.9%	**87.3%** (83.4% – 100.0%)	**97.4%** (17.9% – 100.0%)	47
Percentage of Students Earning 10+ Credits in 2nd Year	90.0%	**27.0%** (86.3% – 100.0%)	**83.1%** (40.7% – 100.0%)	176
Percentage of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	74.5%	**1.2%** (74.2% – 100.0%)	**70.9%** (16.4% – 98.4%)	51
Percentage of Students Earning 10+ Credits in 3rd Year	90.7%	**49.5%** (81.6% – 100.0%)	**84.2%** (41.5% – 99.9%)	129
Percentage of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	76.9%	**20.6%** (70.9% – 100.0%)	**74.5%** (16.0% – 97.7%)	39
Average Completion Rate for Remaining Regents	61.5%	**38.6%** (44.0% – 89.3%)	**94.3%** (4.9% – 64.9%)	355
Weighted Regents Pass Rates				
English	1.04	**42.1%** (0.96 – 1.15)	**61.4%** (0.50 – 1.38)	140
Mathematics	1.53	**90.6%** (0.95 – 1.59)	**74.3%** (0.29 – 1.96)	369
Science	1.23	**44.1%** (0.97 – 1.56)	**57.2%** (0.40 – 1.85)	368
United States History	1.12	**73.7%** (0.98 – 1.17)	**68.6%** (0.40 – 1.45)	121
Global History	1.18	**74.2%** (0.95 – 1.26)	**71.7%** (0.19 – 1.57)	171