Department of Education
Carmen Fariña, Chancellor

School Quality Guide

2013-2014

School: Manhattan Center for Science and Mathematics

DBN: 04M435

Principal: Jose David Jimenez

School Type: High School

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School Overview

Grade	Enrollment		
	2011-2012	2012-2013	2013-2014
Grade 9	362	391	420
Grade 10	424	373	396
Grade 11	456	406	371
Grade 12	408	447	401
All Students	**1650**	**1617**	**1588**

Student Population Characteristics	2011-2012	2012-2013	2013-2014
% English Language Learners	3%	3%	4%
% Students with IEPs	7%	8%	8%
% Students with IEPs (less than 20% time with non-disabled peers)	3%	2%	1%
% Free Lunch Eligible	69%	72%	72%
% Overage Under-Credited	2%	1%	1%
% Asian	20%	20%	19%
% Black	20%	19%	19%
% Hispanic	57%	58%	57%
% White	2%	2%	3%
% Other	0%	0%	1%
Average Incoming ELA Proficiency (based on 8th grade)	-	3.13	3.03
Average Incoming Math Proficiency (based on 8th grade)	-	3.68	3.17

Quality Review

Dates of Review: May 5-7, 2014
Principal at Time of Review: David Jimenez

UNDERDEVELOPED	DEVELOPING	PROFICIENT	**WELL DEVELOPED**

Student Progress

NOT MEETING TARGET	APPROACHING TARGET	**MEETING TARGET**	EXCEEDING TARGET

Student Achievement

NOT MEETING TARGET	APPROACHING TARGET	**MEETING TARGET**	EXCEEDING TARGET

School Environment

NOT MEETING TARGET	**APPROACHING TARGET**	MEETING TARGET	EXCEEDING TARGET

College and Career Readiness

NOT MEETING TARGET	APPROACHING TARGET	**MEETING TARGET**	EXCEEDING TARGET

Closing the Achievement Gap

NOT MEETING TARGET	APPROACHING TARGET	MEETING TARGET	EXCEEDING TARGET

State Accountability

The school's current status: **Good Standing**

This designation is determined by the New York State Department of Education under the Elementary and Secondary Education Act (ESEA) Flexibility Waiver. More information on New York State accountability can be found here: http://schools.nyc.gov/Accountability/tools/accountability/default.htm.

Quality Review

WELL DEVELOPED **3**

Dates of Review: May 5-7, 2014
Principal at Time of Review: David Jimenez
QR Lead Reviewer: Musa Ali Shama

The Quality Review is an evaluation of the school by an experienced educator based on a formal school visit. The educator observes classrooms and engages in conversations with parents, students, teachers, and school leaders to assess schoolwide practices. The Quality Review report provides specific feedback to support the school's efforts. The information displayed here reflects the most recent year that a Quality Review was conducted at this school. Some schools will not have Quality Review information if they opened within the last two years or if their most recent review took place prior to August 2010.

To what extent does the school...

1.1 *Ensure engaging, rigorous, and coherent curricula in all subjects, accessible for a variety of learners and aligned to Common Core Learning Standards and/or content standards?*

Excerpt: Strengthen teacher skill in refining curricula to ensure coherence across classrooms so that all learners, including the lowest and highest achieving students, are cognitively engaged.

PROFICIENT

1.2 *Develop teacher pedagogy from a coherent set of beliefs about how students learn best that is informed by the instructional shifts and Danielson Framework for Teaching, aligned to the curricula, engaging, and meets the needs of all learners so that all students produce meaningful work products?*

Excerpt: Teaching strategies reflect a shared set of beliefs that leads to high levels of student engagement in tasks and class discussions resulting in meaningful student work products.

WELL DEVELOPED

2.2 *Align assessments to curricula, use on-going assessment and grading practices, and analyze information on student learning outcomes to adjust instructional decisions at the team and classroom levels?*

Excerpt: Assessment practices are strategically used to analyze and track student progress towards goals, provide feedback and clear next steps, and adjust instruction so that all students demonstrate mastery.

WELL DEVELOPED

3.4 *Establish a culture for learning that communicates high expectations to staff, students, and families, and provide supports to achieve those expectations?*

Excerpt: N/A - This indicator was rated but not written about in the school's final report.

WELL DEVELOPED

4.2 *Engage in structured professional collaborations on teams using an inquiry approach that promotes shared leadership and focuses on improved student learning?*

Excerpt: N/A - This indicator was rated but not written about in the school's final report.

PROFICIENT

Quality Review - continued

WELL DEVELOPED 4

Dates of Review: May 5-7, 2014
Principal at Time of Review: David Jimenez
QR Lead Reviewer: Musa Ali Shama

Areas of Celebration

- Research-based, effective instruction that yields high quality student work
- Aligned use of resources to support instructional goals that meet students' needs
- Structures for positive learning environment, inclusive culture, and student success
- Curricula-aligned assessment practices that inform instruction
- Support and evaluation of teachers through feedback using the Danielson framework and analysis of learning outcomes

Areas of Focus

- Rigorous, engaging and coherent curricula aligned to the Common Core Learning Standards

How to Interpret the Graphs Used in the Remainder of the Report

Most of the metrics in the report are presented through two standard graphs, which are intended to help place the school's performance in context.

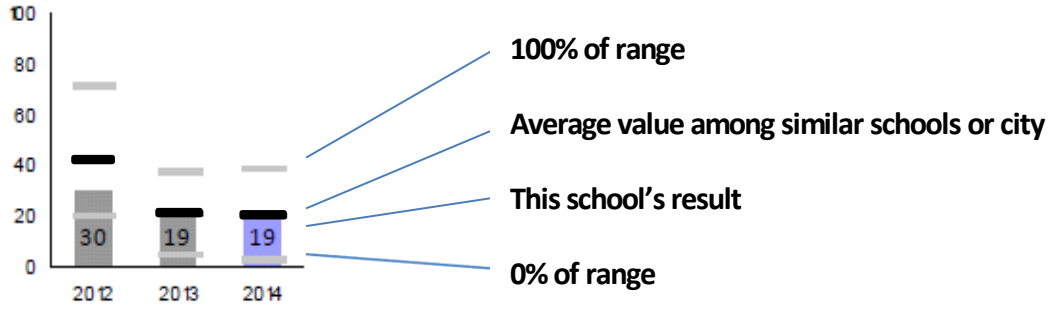
Graph Showing Metric Values

This graph shows the school's performance on each metric over the past three years, as well as the range of historical performance by peer schools and citywide schools used in the School Quality Guide (or Progress Report) for those three years. Peer schools for an elementary or K-8 school are similar along the following student population characteristics: Economic Need Index, percent of students with disabilities, percent of black or Hispanic students, and percent of English language learners. Peer schools for middle schools are similar along the following student population characteristics: students' average proficiency on 4th grade ELA and math tests, percent of students with disabilities, and percent of students two or more years overage upon entry into 6th grade. Peer schools for high schools are similar along the following student population characteristics: average 8th grade ELA proficiency, average 8th grade math proficiency, percent students with disabilities, percent students with self-contained placements, and percent over-age students.

- The vertical bars show the school's values on the metric for the last three years, with the school's numerical values (e.g., **30, 19, and 19** in the example below) displayed at the bottom of the bars. These bars can show trends over time in the school's own performance.

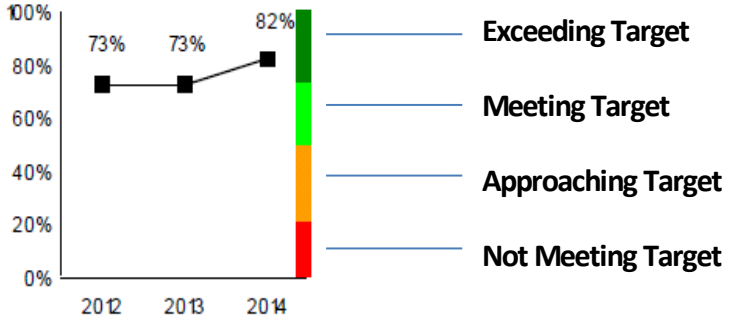
- Each year, the School Quality Guide compares the school's performance against multiple years of historical performance by peer and city schools. The middle horizontal line, in black, shows the average from this pool of historical performance by peer schools or the city, depending on which comparison group is being used. Comparing the top of the vertical bar with this black line shows whether the school is above or below the average of the pool of historical results achieved by the comparison group.

- The top and bottom horizontal lines, in gray, show the top and bottom of the "range" of historical values for the comparison group. The range spans two standard deviations above and below the average; in general, this range contains approximately 96% of the values attained by schools in the comparison group. The lower gray line shows the value at the bottom of the range for the comparison group and the higher gray line shows the value at the top of the range for the comparison group. The position of the vertical bar between the two gray lines shows visually where the school falls within the distribution of results achieved by the comparison group.



Graph Showing Percent of Range

This graph displays the "percent of range" of the school's values for the last three years. The percent of range reflects where the school's value falls between the bottom and top of the range. In mathematical terms, *percent of range = (school's value – bottom of range) / (top of range – bottom of range)*. The colors to the right of the chart display the ranges for the various ratings. The range for Exceeding Target is shown in dark green, Meeting Target is shown in light green, Approaching Target is shown in orange, and Not Meeting Target is shown in red.



Student Progress

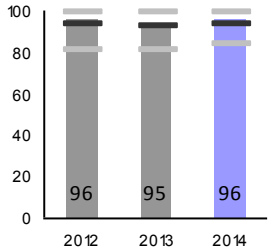
MEETING TARGET

Student Progress measures the ability of a school to help students progress toward the eventual goal of earning a Regents Diploma.

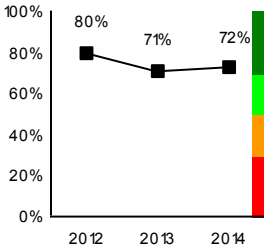
Percent of Students Earning 10+ Credits in 1st Year (n=417)

This metric shows the percentage of first year high school students who accumulate 10 or more academic credits, with particular focus given to credits earned in English, math, science, and social studies.

Peer

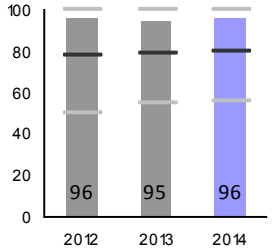


School and Peer Values

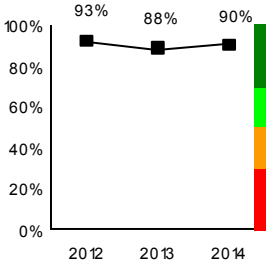


Percent of Peer Range

City



School and City Values

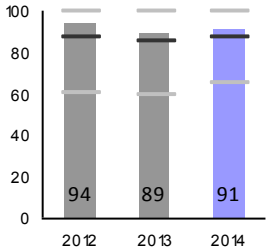


Percent of City Range

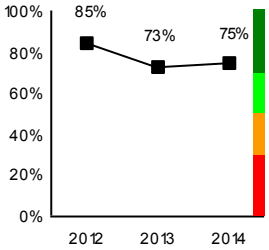
Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year (n=137)

This metric shows the percentage of first year high school students in the school's lowest third of incoming achievement who accumulate 10 or more academic credits, with particular focus given to credits earned in English, math, science, and social studies.

Peer

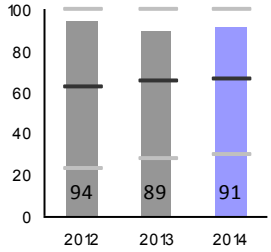


School and Peer Values

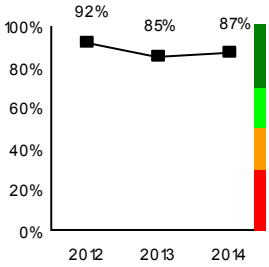


Percent of Peer Range

City



School and City Values

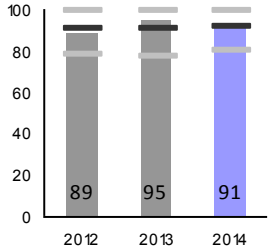


Percent of City Range

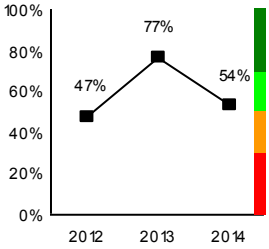
Percent of Students Earning 10+ Credits in 2nd Year (n=395)

This metric shows the percentage of second year high school students who accumulate 10 or more academic credits, with particular focus given to credits earned in English, math, science, and social studies.

Peer

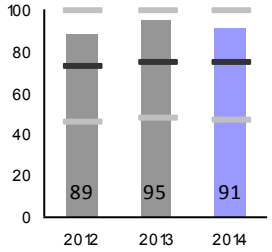


School and Peer Values

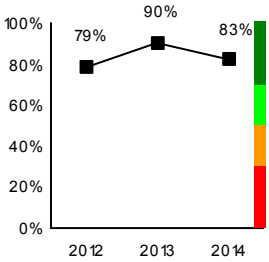


Percent of Peer Range

City



School and City Values

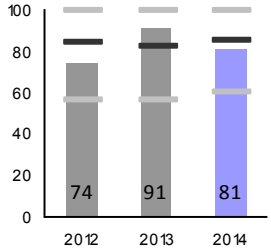


Percent of City Range

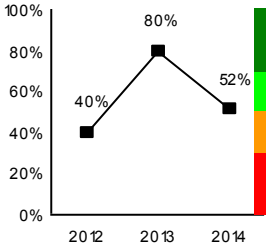
Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year (n=127)

This metric shows the percentage of second year high school students in the school's lowest third of incoming achievement who accumulate 10 or more academic credits, with particular focus given to credits earned in English, math, science, and social studies.

Peer

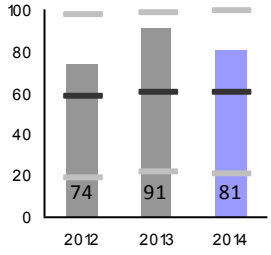


School and Peer Values

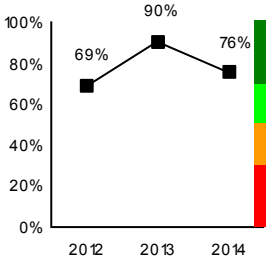


Percent of Peer Range

City



School and City Values



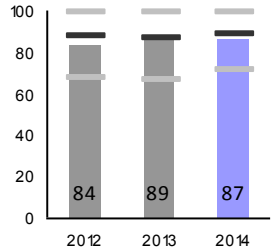
Percent of City Range

Student Progress measures the ability of a school to help students progress toward the eventual goal of earning a Regents Diploma.

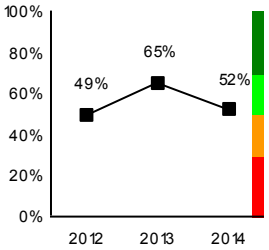
Percent of Students Earning 10+ Credits in 3rd Year (n=364)

This metric shows the percentage of third year high school students who accumulate 10 or more academic credits, with particular focus given to credits earned in English, math, science, and social studies.

Peer

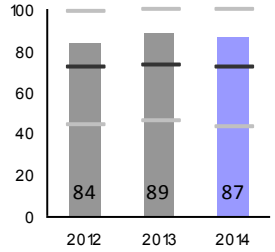


School and Peer Values

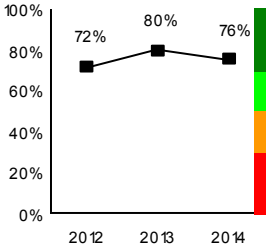


Percent of Peer Range

City



School and City Values

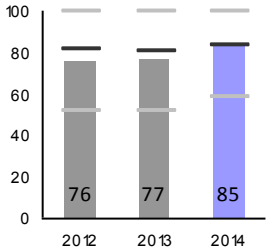


Percent of City Range

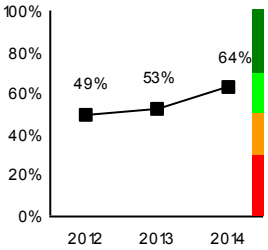
Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year (n=112)

This metric shows the percentage of third year high school students in the school's lowest third of incoming achievement who accumulate 10 or more academic credits, with particular focus given to credits earned in English, math, science, and social studies.

Peer

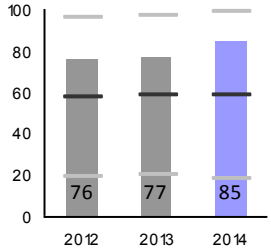


School and Peer Values

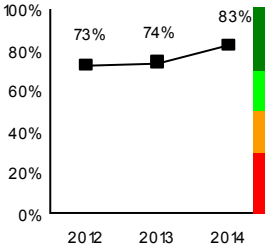


Percent of Peer Range

City



School and City Values

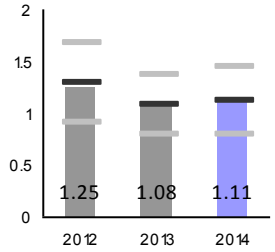


Percent of City Range

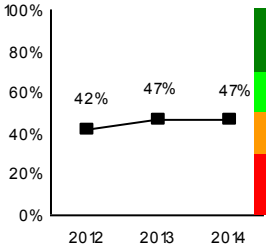
English - Weighted Regents Pass Rate (n=417)

This metric reflects student pass rates on the English Regents exam, weighted based on students' likelihood of passing the exam given their performance on the 8th grade ELA exam. Schools receive more credit on this metric when students pass the exam at a greater rate than would be expected based on their 8th grade exam scores.

Peer

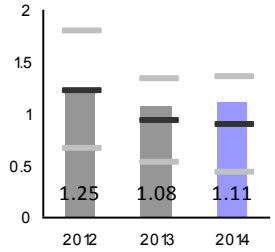


School and Peer Values

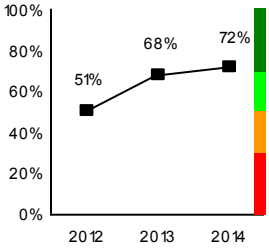


Percent of Peer Range

City



School and City Values

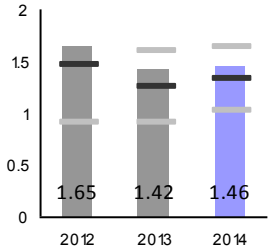


Percent of City Range

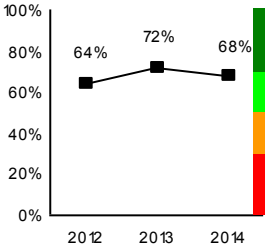
Mathematics - Weighted Regents Pass Rate (n=989)

This metric reflects student pass rates on the Math Regents exam, weighted based on students' likelihood of passing the exam given their performance on the 8th grade Math exam. Schools receive more credit on this metric when students pass the exam at a greater rate than would be expected based on their 8th grade exam scores.

Peer

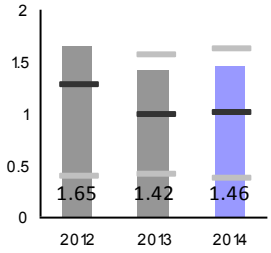


School and Peer Values

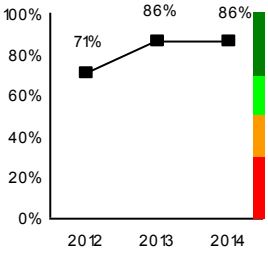


Percent of Peer Range

City



School and City Values



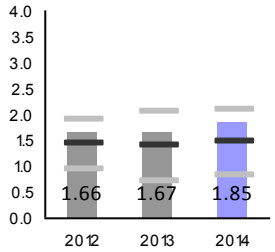
Percent of City Range

Student Progress measures the ability of a school to help students progress toward the eventual goal of earning a Regents Diploma.

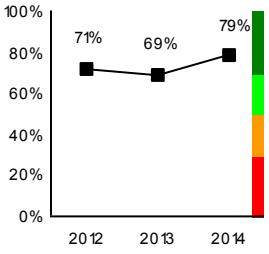
Science - Weighted Regents Pass Rate (n=842)

This metric reflects student pass rates on Science Regents exams, weighted based on students' likelihood of passing the exam given their performance on the 8th grade Math exam. Schools receive more credit on this metric when students pass the exam at a greater rate than would be expected based on their 8th grade exam scores.

Peer

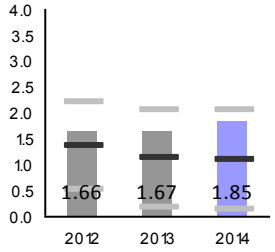


School and Peer Values

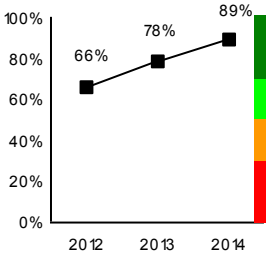


Percent of Peer Range

City



School and City Values

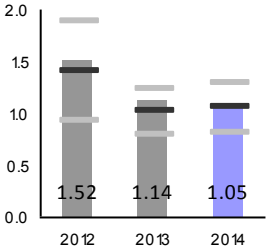


Percent of City Range

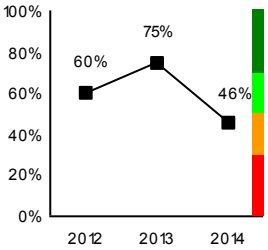
Global Studies - Weighted Regents Pass Rate (n=418)

This metric reflects student pass rates on the Global Studies Regents exam, weighted based on students' likelihood of passing the exam given their performance on the 8th grade ELA exam. Schools receive more credit on this metric when students pass the exam at a greater rate than would be expected based on their 8th grade exam scores.

Peer

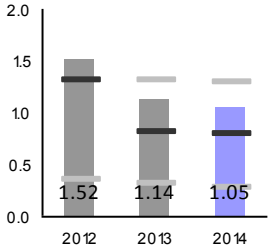


School and Peer Values

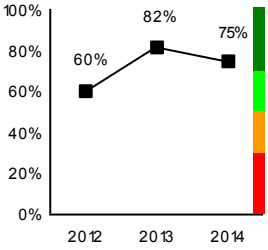


Percent of Peer Range

City



School and City Values

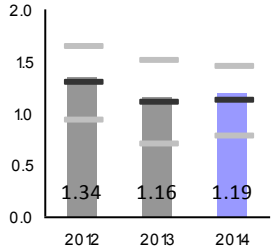


Percent of City Range

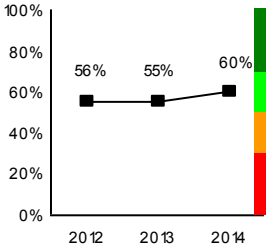
United States History - Weighted Regents Pass Rate (n=374)

This metric reflects student pass rates on the United States History Regents exam, weighted based on students' likelihood of passing the exam given their performance on the 8th grade ELA exam. Schools receive more credit on this metric when students pass the exam at a greater rate than would be expected based on their 8th grade exam scores.

Peer

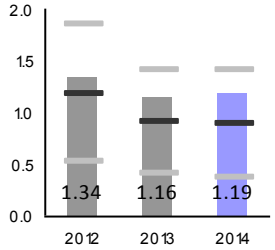


School and Peer Values

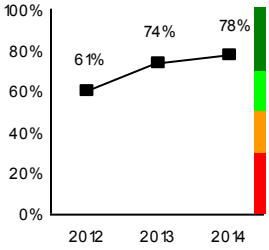


Percent of Peer Range

City



School and City Values

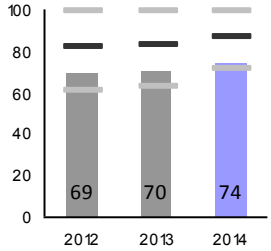


Percent of City Range

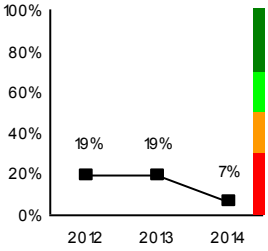
Average Completion Rate for Remaining Regents (n=1070)

This metric measures student progress in the past year towards passing the five Regents subject tests required for a Regents diploma. The metric shows, out of the remaining subjects that the students needed to pass to obtain a Regents dipoma, the percentage of subjects that the students passed in 2013-14.

Peer

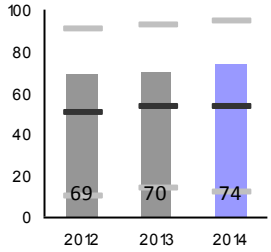


School and Peer Values

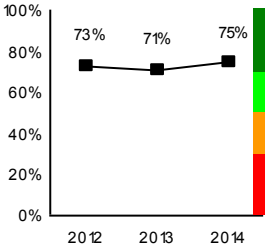


Percent of Peer Range

City



School and City Values



Percent of City Range

Student Achievement

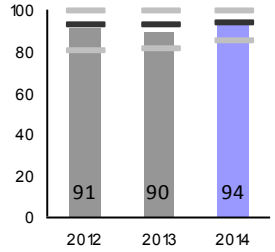
MEETING TARGET

Student Achievement measures the school's graduation rates and the types of diplomas received by the school's students.

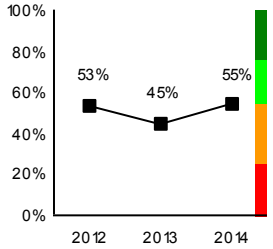
Four-Year Graduation Rate (n=393)

This metric shows the percentage of students who graduated with a Regents or Local Diploma within four years, after entering 9th grade in 2010-11.

Peer

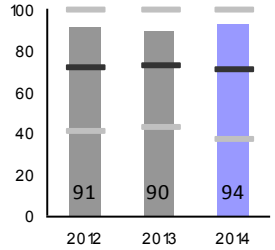


School and Peer Values

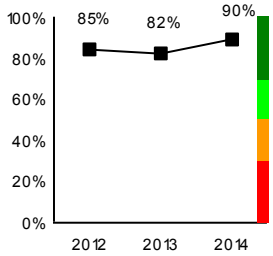


Percent of Peer Range

City



School and City Values

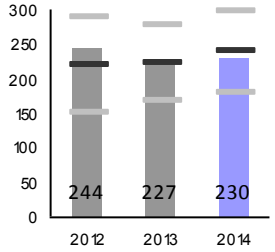


Percent of City Range

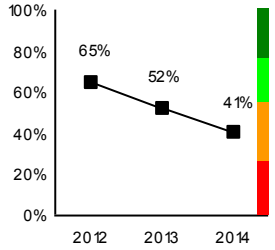
Four-Year Weighted Diploma Rate (n=393)

This metric reflects the diplomas received within four years by the students who entered 9th grade in 2010-11, and provides greater credit for advanced diplomas associated with greater proficiency and for diplomas obtained by students with higher-need demographic characteristics.

Peer

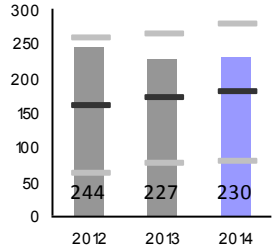


School and Peer Values

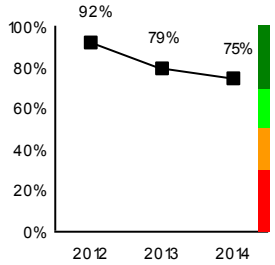


Percent of Peer Range

City



School and City Values

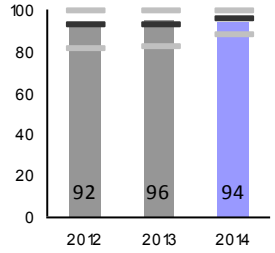


Percent of City Range

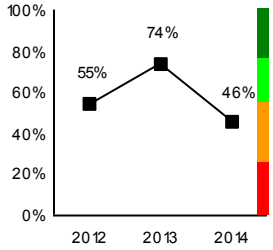
Six-Year Graduation Rate (n=408)

This metric shows the percentage of students who graduated with a Regents or Local Diploma within six years, after entering 9th grade in 2008-09.

Peer

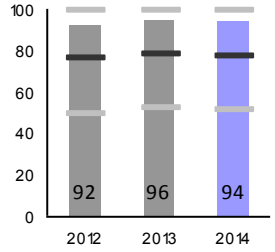


School and Peer Values

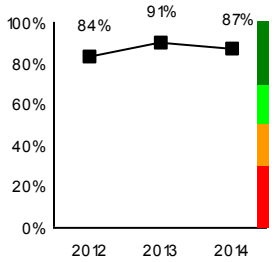


Percent of Peer Range

City



School and City Values

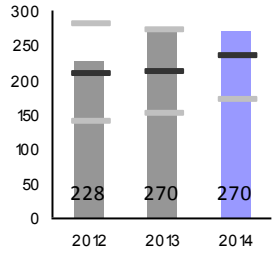


Percent of City Range

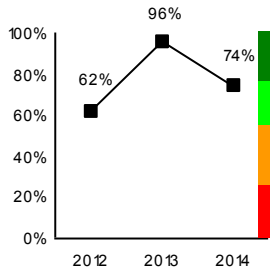
Six-Year Weighted Diploma Rate (n=408)

This metric reflects the diplomas received within six years by students who entered 9th grade in 2008-09, and provides greater credit for advanced diplomas associated with greater proficiency and for diplomas obtained by students with higher-need demographic characteristics.

Peer

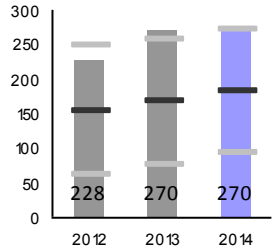


School and Peer Values

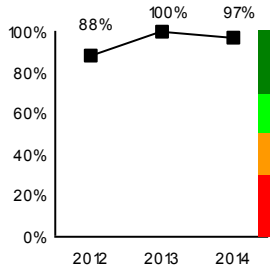


Percent of Peer Range

City



School and City Values



Percent of City Range

School Environment

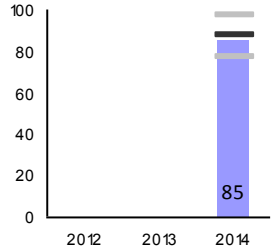
APPROACHING TARGET 10

The NYC School Survey is administered annually to all parents, all teachers, and students in grades 6–12. Through the survey, these members of school communities respond to questions that gauge their satisfaction with elements of the school's learning environment. In 2013–14 accountability reports, these responses were reorganized to broadly align to guiding concepts in the Quality Review rubric: the instructional core, school culture, and systems for improvement. Please note that this organization is designed to help school communities better interpret survey responses, but survey responses do not contribute to Quality Review ratings in these categories.

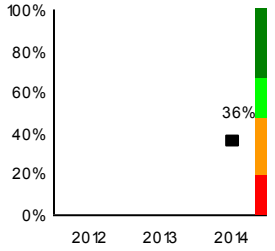
Survey Satisfaction - Instructional Core

This metric shows the average percent of positive responses to the NYC School Survey questions related to the school's instructional core.

Peer

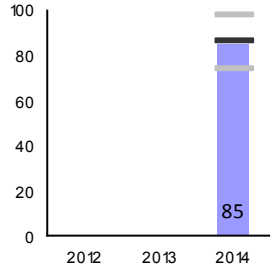


School and Peer Values

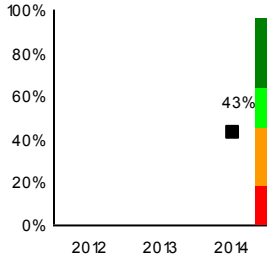


Percent of Peer Range

City



School and City Values

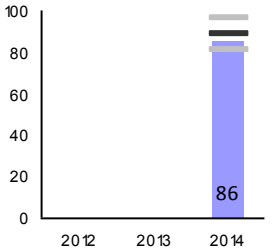


Percent of City Range

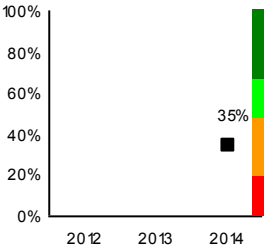
Survey Satisfaction - School Culture

This metric shows the average percent of positive responses to the NYC School Survey questions related to the school's culture.

Peer

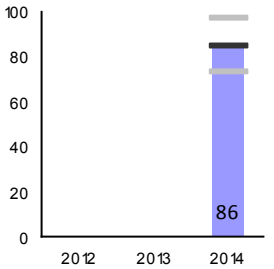


School and Peer Values

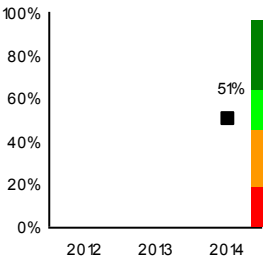


Percent of Peer Range

City



School and City Values

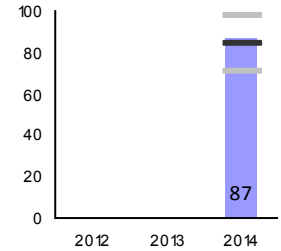


Percent of City Range

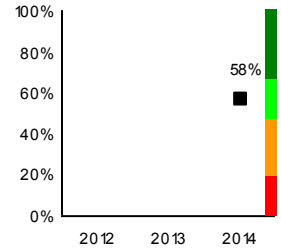
Survey Satisfaction - Systems for Improvement

This metric shows the average percent of positive responses to the NYC School Survey questions related to the school's systems for improvement.

Peer

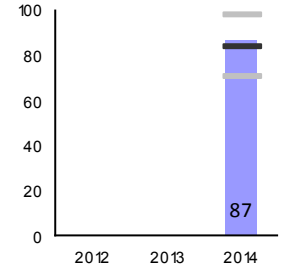


School and Peer Values

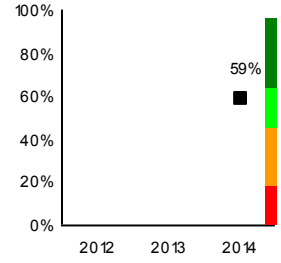


Percent of Peer Range

City



School and City Values

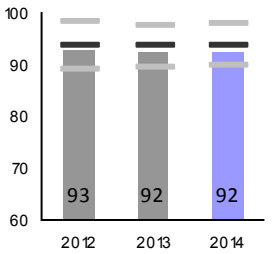


Percent of City Range

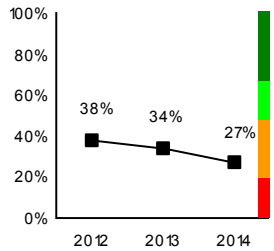
Attendance

The attendance rate includes the attendance for all K-8 students on a school's register at any point during the school year (September through June).

Peer

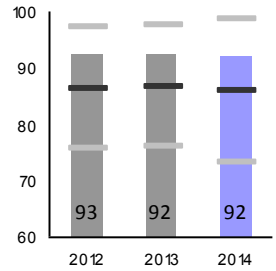


School and Peer Values

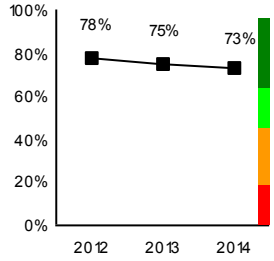


Percent of Peer Range

City



School and City Values



Percent of City Range

College and Career Readiness

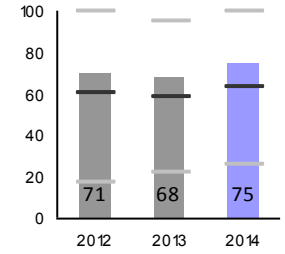
MEETING TARGET

College and Career Readiness measures the college-readiness of students, based on their achievements in high school and their outcomes after leaving high school.

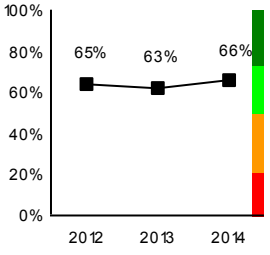
4-Year College Readiness Index (n=393)

This metric shows the percentage of students who graduated with a Regents diploma and met CUNY's standards for college readiness in English and math within four years, after entering 9th grade in 2010-11.

Peer

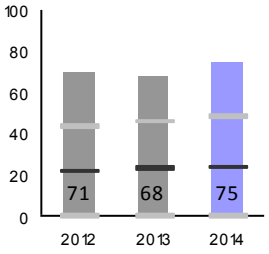


School and Peer Values

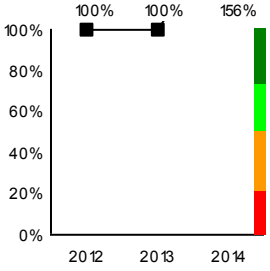


Percent of Peer Range

City



School and City Values

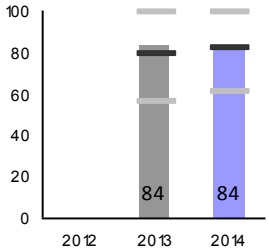


Percent of City Range

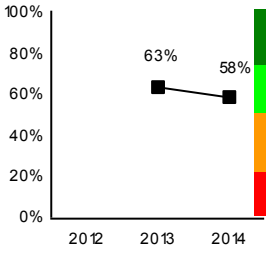
6-Year College Readiness Index with Persistence (n=408)

This metric shows the percentage of students who (1) graduated with a Regents diploma and met CUNY's standards for English and math, or (2) graduated from high school, enrolled in college, and persisted in college through the beginning of their third semester; within six years after entering 9th grade in 2008-09.

Peer

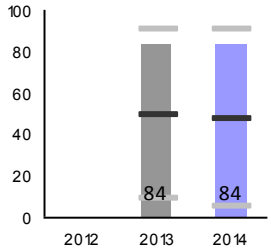


School and Peer Values

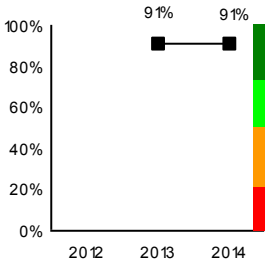


Percent of Peer Range

City



School and City Values

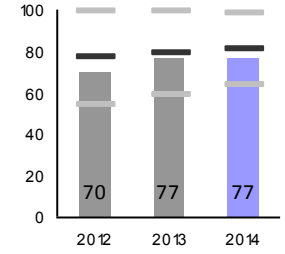


Percent of City Range

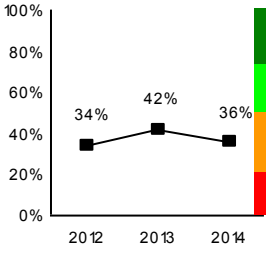
Postsecondary Enrollment Rate - 6 Months (n=446)

This metric shows the percentage of students who graduated from high school and enrolled in college, a vocational program, or public service within six months of their scheduled graduation date, out of students who entered 9th grade in 2009-10.

Peer

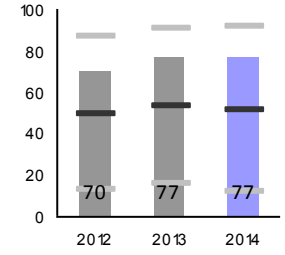


School and Peer Values

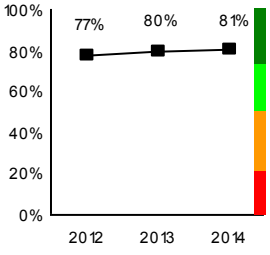


Percent of Peer Range

City



School and City Values

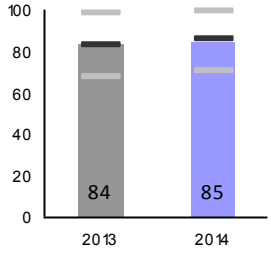


Percent of City Range

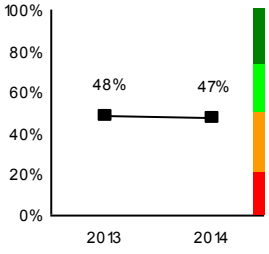
Postsecondary Enrollment Rate - 18 Months (n=408)

This metric shows the percentage of students who graduated from high school and enrolled in college, a vocational program, or public service within 18 months of their scheduled graduation date, out of students who entered 9th grade in 2008-09.

Peer

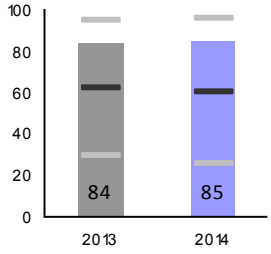


School and Peer Values

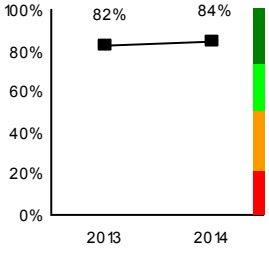


Percent of Peer Range

City



School and City Values



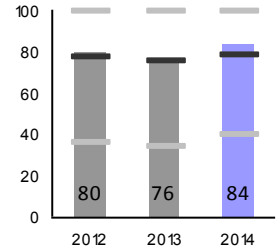
Percent of City Range

College and Career Readiness measures the college-readiness of students, based on their achievements in high school and their outcomes after leaving high school.

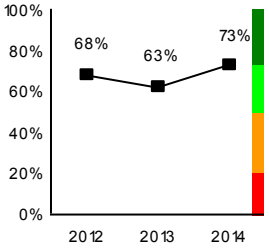
College and Career Preparatory Course Index (n=393)

This metric shows the percentage of students who successfully completed approved rigorous courses and assessments within four years of high school, after entering 9th grade in 2010-11.

Peer

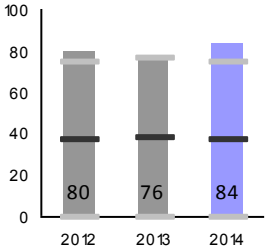


School and Peer Values

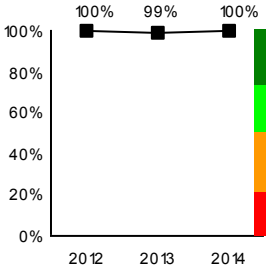


Percent of Peer Range

City



School and City Values



Percent of City Range

Closing the Achievement Gap 13

Closing the Achievement Gap measures the extent to which the school serves and succeeds with students in special populations.

	2011-12		2012-13		2013-14	
	SCHOOL'S RESULTS	POPULATION PERCENTAGE	SCHOOL'S RESULTS	POPULATION PERCENTAGE	SCHOOL'S RESULTS	POPULATION PERCENTAGE
Four Year Weighted Diploma Rate						
English Language Learners (n = 22)	216.7%	8.8%	235.7%	11.0%	177.3%	5.6%
Self-Contained / ICT / SETSS (n = 15)	222.7%	5.4%	315.0%	9.0%	240.0%	3.8%
All Students in the Lowest Third Citywide (n = 17)	142.0%	6.1%	191.9%	8.3%	150.0%	4.3%
Black / Hispanic Males in the Lowest Third Citywide (n = 9)	207.7%	3.2%	209.5%	4.7%	133.3%	2.3%
College and Career Readiness						
Students in the Lowest Third Citywide, College and Career Preparatory Course Index (n = 17)	12.0%	6.1%	13.5%	8.3%	41.2%	4.3%
Students in the Lowest Third Citywide, 4-Year College Readiness Index (n = 17)	4.0%	6.1%	0.0%	8.3%	11.8%	4.3%
Students in the Lowest Third Citywide, Postsecondary Enrollment Rate - 6 Months (n = 14)	30.8%	10.1%	36.6%	10.0%	14.3%	3.1%
Movement from SC/ICT/SETSS to Less Restrictive Environments (n = 97)	0.80	5.5%	0.41	7.1%	0.43	6.1%

Summary of Section Ratings

This section shows how the ratings are calculated for the Student Progress, Student Achievement, School Environment, College and Career Readiness, and Closing the Achievement Gap sections.

	This School's Results	Peer Comparison (weighted 75%)				City Comparison (weighted 25%)				Points Possible	Points Earned
		Peer Range			Percent of Peer Range	City Range			Percent of City Range		
		0%	Average	100%		0%	Average	100%			
Student Progress											
Percent of Students Earning 10+ Credits in 1st Year (n = 417)	95.7%	84.4%	94.3%	100.0%	72.4%	55.4%	80.1%	100.0%	90.4%	7.6	5.8
Percent of Students Earning 10+ Credits in 2nd Year (n = 395)	90.9%	80.4%	92.4%	100.0%	53.6%	46.9%	75.0%	100.0%	82.9%	7.6	4.6
Percent of Students Earning 10+ Credits in 3rd Year (n = 364)	86.5%	71.9%	89.4%	100.0%	52.0%	43.6%	72.4%	100.0%	76.1%	7.6	4.4
Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year (n = 137)	91.2%	65.2%	87.6%	100.0%	74.7%	30.1%	66.7%	100.0%	87.4%	7.6	5.9
Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year (n = 127)	81.1%	60.7%	85.3%	100.0%	51.9%	21.0%	61.0%	100.0%	76.1%	7.6	4.4
Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year (n = 112)	84.8%	58.4%	83.2%	100.0%	63.5%	18.7%	58.7%	98.7%	82.6%	7.6	5.2
Average Completion Rate for Remaining Regents (n = 1070)	74.4%	72.5%	87.9%	100.0%	6.9%	12.1%	53.8%	95.5%	74.7%	9.1	2.2
English - Weighted Regents Pass Rate (n = 417)	1.11	0.80	1.13	1.46	47.0%	0.45	0.91	1.37	71.7%	9.1	4.8
Mathematics - Weighted Regents Pass Rate (n = 989)	1.46	1.04	1.35	1.66	67.7%	0.39	1.01	1.63	86.3%	9.1	6.6
Science - Weighted Regents Pass Rate (n = 842)	1.85	0.86	1.49	2.12	78.6%	0.16	1.11	2.06	88.9%	9.1	7.4
Global Studies - Weighted Regents Pass Rate (n = 418)	1.05	0.83	1.07	1.31	45.8%	0.29	0.80	1.31	74.5%	9.1	4.8
United States History - Weighted Regents Pass Rate (n = 374)	1.19	0.79	1.13	1.47	60.0%	0.38	0.90	1.42	77.9%	9.1	5.9

Student Progress Section Rating			
Not Meeting Target 29.5 or Lower	Approaching Target 29.6 to 50.1	**Meeting Target 50.2 to 69.5**	Exceeding Target 69.6 or Higher

62.0

Student Achievement											
Four-Year Graduation Rate (n = 393)	93.6%	85.9%	94.5%	100.0%	54.6%	37.2%	71.4%	100.0%	89.8%	25.0	15.9
Six-Year Graduation Rate (n = 408)	93.9%	88.7%	95.9%	100.0%	46.0%	52.0%	78.3%	100.0%	87.3%	25.0	14.1
Four-Year Weighted Diploma Rate (n = 393)	230.3%	181.8%	241.1%	300.4%	40.9%	81.6%	181.3%	281.0%	74.6%	25.0	12.3
Six-Year Weighted Diploma Rate (n = 408)	269.9%	172.4%	237.9%	303.4%	74.4%	93.8%	184.4%	275.0%	97.2%	25.0	20.0

Student Achievement Section Rating			
Not Meeting Target 26.3 or Lower	Approaching Target 26.4 to 55.1	**Meeting Target 55.2 to 75.5**	Exceeding Target 75.6 or Higher

62.3

School Environment											
School Survey - Instructional Core	85.2%	78.1%	88.1%	98.1%	35.5%	75.0%	86.8%	98.6%	43.2%	22.0	8.2
School Survey - School Culture	85.8%	81.3%	89.1%	96.9%	35.0%	73.7%	85.5%	97.3%	51.3%	22.0	8.6
School Survey - Structures for Improvement	86.9%	71.2%	84.8%	98.4%	57.7%	71.0%	84.5%	98.0%	58.9%	22.0	12.8
Attendance	92.2%	90.1%	94.0%	97.9%	26.9%	73.4%	86.2%	99.0%	73.4%	34.0	13.1

School Environment Section Rating			
Not Meeting Target 19.0 or Lower	**Approaching Target 19.1 to 46.6**	Meeting Target 46.7 to 66.1	Exceeding Target 66.2 or Higher

42.7

College and Career Readiness											
4-Year College Readiness Index (n = 393)	74.6%	25.7%	63.3%	100.0%	65.8%	0.0%	23.9%	47.8%	156.1%	20.0	17.7
6-Year College Readiness Index with Persistence (n = 408)	83.6%	61.1%	82.4%	100.0%	57.8%	5.9%	48.4%	90.9%	91.4%	20.0	13.2
Postsecondary Enrollment Rate - 6 Months (n = 446)	76.7%	64.2%	81.8%	99.4%	35.5%	12.1%	52.2%	92.3%	80.5%	15.0	7.0
Postsecondary Enrollment Rate - 18 Months (n = 408)	85.0%	71.6%	86.2%	100.0%	47.2%	25.7%	61.0%	96.3%	84.0%	15.0	8.5
College and Career Preparatory Course Index (n = 393)	84.0%	40.4%	79.0%	100.0%	73.2%	0.0%	37.6%	75.2%	100.0%	30.0	24.0

College and Career Readiness Section Rating			
Not Meeting Target 21.4 or Lower	Approaching Target 21.5 to 49.6	**Meeting Target 49.7 to 72.6**	Exceeding Target 72.7 or Higher

70.4

This section shows how the ratings are calculated for the Student Progress, Student Achievement, School Environment, College and Career Readiness, and Closing the Achievement Gap sections.

	This School's Population Percentage	This School's Population Percentage (Percent of City Range)	This School's Results	This School's Results (Percent of City Range)
Closing the Achievement Gap				
Four Year Weighted Diploma Rate				
English Language Learners (n = 22)	5.6%	10.1%	177.3%	
Self-Contained / ICT / SETSS (n = 15)	3.8%	9.9%	240.0%	
All Students in the Lowest Third Citywide (n = 17)	4.3%	6.6%	150.0%	
Black / Hispanic Males in the Lowest Third Citywide (n = 9)	2.3%	6.1%	133.3%	
College and Career Readiness				
Students in the Lowest Third Citywide, College and Career Preparatory Course Index (n = 17)	4.3%	6.6%	41.2%	
Students in the Lowest Third Citywide, 4-Year College Readiness Index (n = 17)	4.3%	6.6%	11.8%	
Students in the Lowest Third Citywide, Postsecondary Enrollment Rate - 6 Months (n = 14)	3.1%	5.3%	14.3%	
Movement from SC/ICT/SETSS to Less Restrictive Environments (n = 97)	6.1%	21.1%	0.43	
			Average of Results (Percent of City Range)	**N/A**

Closing the Achievement Gap			
Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target

This Closing the Achievement Gap section reflects the degree to which the school is helping high-need students succeed. In some cases, schools will not receive a rating in this section because those students make up a very small proportion of the school's student population.

The metric values, listed as "This School's Results," show the school's results with its students in the relevant group. The metric scores, listed as "This School's Results (Percent of City Range)," show how the school's results compared to the rest of the city. A metric will not be scored, however, if those students are a very small proportion of the school—specifically, if "This School's Population Percentage (Percent of City Range)" is less than 25.0% (meaning that the school's population percentage is more than one standard deviation below the citywide average). For these unscored metrics, "This School's Results (Percent of City Range)" will be left blank.

The section score is the average of the school's metric scores, and the section rating is determined by the range that the score falls within, which will be shaded in the ratings table above. A school will not receive a rating, however, if it has fewer than three scored metrics in this section.

This page provides more granular data on student outcomes. While the numbers here do not individually count for points, the detailed deconstruction should provide deeper insight into 2013–14 student outcomes.

Regents Exams

Includes all students in the high school who took the respective exams in January, June or August 2014.

		Average Score	% passing	% at College Ready Threshold for Exam
Mathematics:	Integrated Algebra (n = 417)	81	95%	64%
	Geometry (n = 447)	76	87%	39%
	Algebra 2/Trigonometry (n = 385)	74	73%	43%
ELA:	Comprehensive English (n = 448)	81	94%	81%
Social Studies:	U.S. History (n = 374)	86	98%	.
	Global History (n = 418)	76	84%	.
Science:	Chemistry (n = 421)	66	53%	.
	Physics (n = 236)	75	80%	.
	Earth Science (n = 72)	64	56%	.
	Living Environment (n = 337)	80	92%	.
Languages:	Languages Other Than English (n = 250)	85	93%	.

College Exams

Calculated as highest result for the 2014 four-year graduation cohort anytime during their high school career.

		Average Score	% of 4-year Cohort Taking	% at College Ready Threshold for Exam
SAT:	Mathematics (n = 393)	542	86.3%	68.7%
	Critical Reading (n = 393)	483	86.3%	45.5%
	Writing (n = 393)	474	86.3%	.
ACT:	Mathematics (n = 393)	24	19.6%	17.0%
	English (n = 393)	20	19.6%	10.2%
	Reading (n = 393)	22	4.1%	.
	Science (n = 393)	22	19.6%	.
CUNY:	Math 1 (n = 393)	40	6.1%	.
	Math 2 (n = 393)	48	14.0%	8.1%
	Reading (n = 393)	78	12.2%	9.9%
	Writing (n = 393)	57	12.2%	7.6%

College and Career Readiness Metrics Disaggregated

	% of 4-year Cohort	% of 6-year Cohort
College Readiness Index (counting positively requires ALL thresholds)	74.6%	71.3%
% attaining Local Diploma	92.6%	93.1%
% attaining Math College Readiness Standard	79.6%	74.5%
% attaining English College Readiness Standard	82.4%	84.6%

	% of 4-year Cohort
College and Career Preparatory Course Index	84.0%
% scoring 65+ on the Algebra II, Math B, Chemistry or Physics Regents Exam	82.2%
% scoring 3+ on any Advanced Placement (AP) Exam	40.2%
% scoring 4+ on any International Baccalaureate (IB) Exam	0.0%
% earning a diploma with a Career and Technical Education (CTE) Endorsement	0.0%
% passing an industry-recognized technical assessment	0.0%
% earning a diploma with an Arts endorsement	0.0%
% earning a grade of "C" or higher in a course for college credit	12.0%
% passing another course certified by the DOE as college- and career-ready	0.0%

	6 Months After Graduating
Post-secondary Enrollment Rate	76.7%
CUNY 2-year	25.7%
CUNY 4-year	19.3%
NYS Public	9.9%
NYS Private	13.5%
Out-of-State	8.3%
Public Service	0.0%
Vocational Program	0.0%

Peer Group 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, according to the peering characteristics. Each school has up to 40 peer schools (except for K-8 schools, which have up to 30 peer schools).

Peer groupings are created using a matching methodology that examines the mathematical difference between a school and all potential peers on the peering characteristics. Schools with the smallest difference across all the characteristics are peered together.

DBN	SCHOOL	AVERAGE ENGLISH PROFICIENCY	AVERAGE MATH PROFICIENCY	% STUDENTS WITH DISABILITIES	% SELF-CONTAINED	% OVERAGE
04M435	**Manhattan Center for Science and Mathematics**	**3.03**	**3.17**	**7.6%**	**0.9%**	**0.9%**
01M539	New Explorations into Science, Technology and Math High Sc	3.48	3.49	6.9%	0.7%	0.3%
02M376	NYC iSchool	3.11	2.81	15.7%	0.7%	0.0%
02M408	Professional Performing Arts High School	3.15	2.77	8.2%	1.0%	1.2%
02M411	Baruch College Campus High School	3.23	3.24	7.7%	0.5%	1.4%
02M412	N.Y.C. Lab School for Collaborative Studies	3.29	3.15	18.7%	3.3%	0.2%
02M414	N.Y.C. Museum School	3.18	3.11	9.7%	0.0%	0.6%
02M418	Millennium High School	3.35	3.16	9.9%	0.3%	1.0%
02M439	Manhattan Village Academy	2.70	2.69	11.1%	1.7%	0.5%
02M519	Talent Unlimited High School	3.00	2.68	7.0%	0.8%	1.9%
02M545	High School for Dual Language and Asian Studies	2.59	3.35	3.9%	0.2%	4.9%
03M479	Beacon High School	3.50	3.24	6.3%	0.3%	0.3%
03M485	Fiorello H. LaGuardia High School of Music & Art and Perform	3.56	3.34	3.0%	0.0%	0.4%
03M541	Manhattan / Hunter Science High School	3.17	3.17	7.4%	1.1%	1.3%
04M610	Young Women's Leadership School	2.85	2.78	13.3%	0.7%	0.3%
05M362	Columbia Secondary School	3.39	3.05	2.4%	0.3%	1.6%
06M293	City College Academy of the Arts	2.80	2.87	15.6%	0.3%	2.4%
07X495	University Heights Secondary School	2.73	2.60	9.4%	2.4%	3.0%
13K595	Bedford Academy High School	2.79	2.67	11.1%	2.2%	2.5%
13K670	Benjamin Banneker Academy	3.08	2.82	5.8%	1.9%	0.7%
14K449	Brooklyn Latin School, The	3.53	3.56	3.5%	0.2%	0.2%
15K684	Millennium Brooklyn HS	3.26	2.98	12.1%	0.8%	1.6%
17K543	Science, Technology and Research Early College High School	2.88	2.78	4.8%	0.3%	1.5%
17K546	High School for Public Service: Heroes of Tomorrow	2.81	2.67	10.0%	5.2%	3.0%
17K590	Medgar Evers College Preparatory School	3.07	2.97	4.2%	0.7%	1.1%
21K468	Kingsborough Early College School	2.76	2.79	13.0%	0.3%	0.6%
22K405	Midwood High School	3.06	3.05	7.2%	2.3%	1.1%
22K535	Leon M. Goldstein High School for the Sciences	3.32	3.31	14.1%	2.8%	0.0%
22K555	Brooklyn College Academy	3.13	2.89	4.6%	1.2%	0.9%
24Q264	Academy of Finance and Enterprise	2.73	2.77	14.6%	2.6%	2.4%
24Q585	Maspeth High School	2.82	2.73	12.3%	3.3%	1.6%
24Q610	Aviation Career & Technical Education High School	2.78	2.92	9.3%	4.3%	1.0%
25Q252	Queens School of Inquiry, The	3.02	2.89	14.1%	0.6%	1.9%
26Q415	Benjamin N. Cardozo High School	2.91	2.90	14.9%	6.0%	2.4%
27Q650	High School for Construction Trades, Engineering and Archite	2.87	2.91	11.4%	1.1%	1.5%
28Q284	York Early College Academy	2.92	2.76	9.1%	0.6%	2.2%
28Q620	Thomas A. Edison Career and Technical Education High Schoo	2.86	2.88	12.8%	6.9%	2.3%
28Q680	Queens Gateway to Health Sciences Secondary School	3.36	3.01	4.2%	1.2%	0.4%
30Q286	Young Women's Leadership School, Astoria	2.85	2.69	10.4%	1.6%	3.1%
30Q501	Frank Sinatra School of the Arts High School	3.39	3.10	6.5%	1.1%	0.1%
30Q575	Academy of American Studies	2.95	2.91	11.2%	2.3%	1.2%
PEER GROUP AVERAGES		3.06	2.97	9.4%	1.6%	1.4%

Metric Targets for 2014-15

The previous pages in this report have shown the school's performance in 2013-14 and earlier. In contrast, this page is forward looking and shows targets connected to the category ratings for the 2014-15 school year.

	This School's 2013-14 Result	2014-15 Metric Values Needed for Each Rating			
		Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Student Progress					
Percent of Students Earning 10+ Credits in 1st Year	95.7%	86.8% or lower	86.9% to 90.6%	90.7% to 94.2%	94.3% or higher
Percent of Students Earning 10+ Credits in 2nd Year	90.9%	83.5% or lower	83.6% to 88.3%	88.4% to 92.8%	92.9% or higher
Percent of Students Earning 10+ Credits in 3rd Year	86.5%	77.3% or lower	77.4% to 83.9%	84.0% to 90.1%	90.2% or higher
Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year	91.2%	71.9% or lower	72.0% to 80.1%	80.2% to 87.8%	87.9% or higher
Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year	81.1%	68.3% or lower	68.4% to 77.5%	77.6% to 86.2%	86.3% or higher
Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year	84.8%	66.4% or lower	66.5% to 76.2%	76.3% to 85.3%	85.4% or higher
Average Completion Rate for Remaining Regents	74.4%	76.2% or lower	76.3% to 83.0%	83.1% to 89.4%	89.5% or higher
English - Weighted Regents Pass Rate	1.11	0.93 or lower	0.94 to 1.08	1.09 to 1.22	1.23 or higher
Mathematics - Weighted Regents Pass Rate	1.46	1.15 or lower	1.16 to 1.29	1.30 to 1.43	1.44 or higher
Science - Weighted Regents Pass Rate	1.85	1.13 or lower	1.14 to 1.41	1.42 to 1.68	1.69 or higher
Global Studies - Weighted Regents Pass Rate	1.05	0.91 or lower	0.92 to 1.02	1.03 to 1.13	1.14 or higher
United States History - Weighted Regents Pass Rate	1.19	0.93 or lower	0.94 to 1.08	1.09 to 1.22	1.23 or higher
Student Achievement					
Four-Year Graduation Rate	93.6%	87.0% or lower	87.1% to 92.1%	92.2% to 95.6%	95.7% or higher
Six-Year Graduation Rate	93.9%	89.6% or lower	89.7% to 93.6%	93.7% to 96.5%	96.6% or higher
Four-Year Weighted Diploma Rate	230.3%	200.0% or lower	200.1% to 238.0%	238.1% to 264.9%	265.0% or highe
Six-Year Weighted Diploma Rate	269.9%	194.2% or lower	194.3% to 234.7%	234.8% to 263.4%	263.5% or highe
School Environment					
School Survey - Instructional Core	85.2%	81.3% or lower	81.4% to 87.0%	87.1% to 91.1%	91.2% or higher
School Survey - School Culture	85.8%	83.1% or lower	83.2% to 87.8%	87.9% to 91.1%	91.2% or higher
School Survey - Structures for Improvement	86.9%	76.2% or lower	76.3% to 83.7%	83.8% to 89.0%	89.1% or higher
Attendance	92.2%	90.3% or lower	90.4% to 92.9%	93.0% to 94.7%	94.8% or higher
College and Career Readiness					
4-Year College Readiness Index	74.6%	30.9% or lower	31.0% to 49.3%	49.4% to 64.3%	64.4% or higher
6-Year College Readiness Index with Persistence	83.6%	63.4% or lower	63.5% to 76.1%	76.2% to 86.4%	86.5% or higher
Postsecondary Enrollment Rate - 6 Months	76.7%	66.3% or lower	66.4% to 77.8%	77.9% to 87.2%	87.3% or higher
Postsecondary Enrollment Rate - 18 Months	85.0%	73.3% or lower	73.4% to 82.7%	82.8% to 90.3%	90.4% or higher
College and Career Preparatory Course Index	84.0%	45.4% or lower	45.5% to 63.1%	63.2% to 77.6%	77.7% or higher

The previous pages in this report have shown the school's performance in 2013-14 and earlier. In contrast, this page is forward looking and shows targets connected to the category ratings for the 2014-15 school year.

	This School's 2013-14 Result	2014-15 Metric Values Needed for Each Rating			
		Not Meeting Target	Approaching Target	Meeting Target	Exceeding Target
Closing the Achievement Gap					
Four Year Weighted Diploma Rate					
English Language Learners	177.3%	102.9% or lower	103.0% to 163.8%	163.9% to 225.6%	225.7% or higher
Self-Contained / ICT / SETSS	240.0%	109.9% or lower	110.0% to 196.9%	197.0% to 285.1%	285.2% or higher
All Students in the Lowest Third Citywide	150.0%	71.1% or lower	71.2% to 127.4%	127.5% to 184.5%	184.6% or higher
Black / Hispanic Males in the Lowest Third Citywide	133.3%	65.2% or lower	65.3% to 116.8%	116.9% to 169.1%	169.2% or higher
College and Career Readiness					
Students in the Lowest Third Citywide, College and Career Preparatory Course Index	41.2%	7.2% or lower	7.3% to 12.9%	13.0% to 18.8%	18.9% or higher
Students in the Lowest Third Citywide, 4-Year College Readiness Index	11.8%	1.3% or lower	1.4% to 2.4%	2.5% to 3.6%	3.7% or higher
Students in the Lowest Third Citywide, Postsecondary Enrollment Rate - 6 Months	14.3%	11.3% or lower	11.4% to 20.3%	20.4% to 29.4%	29.5% or higher
Movement from SC/ICT/SETSS to Less Restrictive Environments	0.43	0.26 or lower	0.27 to 0.46	0.47 to 0.67	0.68 or higher