Department of Education
Dennis M. Walcott, Chancellor

Progress Report 2010-11

CITY POLYTECHNIC HIGH SCHOOL OF ENGINEERING, ARCHITECTURE, AND TECHNOLOGY

PRINCIPAL:	Chris Aguirre
DBN:	13K674
ENROLLMENT:	246
SCHOOL TYPE:	High School
PEER INDEX:	2.29

(see p. 7 for more details on peer index)

OVERALL GRADE **NA**

OVERALL SCORE **NA** out of 100

PERCENTILE RANK **NA**

This school's overall score is greater than or equal to that of NA High Schools

Overall Grades - High School

GRADE	SCORE RANGE	% OF SCHOOLS
A	70.0 or higher	33% of schools
B	58.0 - 69.9	32% of schools
C	47.0 - 57.9	24% of schools
D	40.0 - 46.9	8% of schools
F	39.9 or lower	4% of schools

For high schools, grades are based on cut scores determined prior to the release of the Progress Report. Further, schools with a four year graduation rate in the top third citywide cannot receive a grade lower than a C. Schools in their first year, without a graduating class or in phase out receive a report with no grade or score.

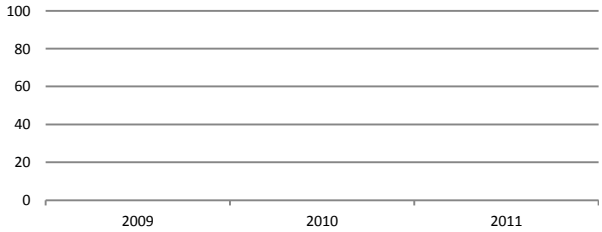
Overview

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. Strong Progress Report results are the basis for monetary rewards for school leaders, and poor results are an important factor in determining whether schools require intensive support or intervention. For more information, see schools.nyc.gov/community/planning/Support+and+Intervention.htm.

CATEGORY	SCORE	GRADE	DESCRIPTION
Student Progress	out of 60		Student Progress measures the annual progress students make toward meeting the state's graduation requirements by earning course credits and passing state Regents exams.
Student Performance	out of 25		Student Performance measures how many students graduated within 4 and 6 years of starting high school, and the types of diplomas they earned.
School Environment	out of 15		School Environment measures student attendance and a survey of the school community rating academic expectations, safety and respect, communication, and engagement.
Closing the Achievement Gap	(14 max)		Schools receive additional credit for exceptional graduation and/or Regents outcomes by students with disabilities, English Language Learners, and students who enter high school at the lowest performance level.
Overall Score	out of 100		The overall grade is based on the total of all scores above, including additional credit for closing the achievement gap. Category scores may not add up to total score because of rounding.

Performance over time

Percentile rank of this school's overall Progress Report score for the past three years:



The Progress Report is a one-year snapshot of a school's performance. The Progress Report methodology has evolved over time, in response to school and community feedback, changes in state policy, and higher standards. For a description of methodology changes, visit schools.nyc.gov/ProgressReport.

Other accountability measures

These measures are separate from the Progress Report, and are an important part of school accountability in New York City and State.

Quality Review

The school's most recent Quality Review Score:

The Quality Review is an observational evaluation conducted by an experienced educator, focused on how well a school is organized to educate its students.

State Accountability

The school's current status:

This status is determined by the New York State Department of Education under the No Child Left Behind Act.

GRADE

SCORE

(out of 60)

GRADE	SCORE RANGE
A	42.0 or higher
B	34.8 - 41.9
C	28.2 - 34.7
D	24.0 - 28.1
F	23.9 or lower

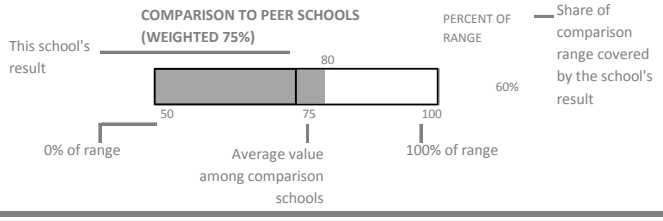
Student Progress represents 60% of the total score. The grade is based on the annual progress students make toward meeting the state's graduation requirements by earning course credits in core subjects and passing state Regents exams. Attention is given to all students in the school and particular emphasis is given to the one-third of students who entered high school at the lowest performance level.

	THIS SCHOOL'S RESULTS	COMPARISON TO PEER SCHOOLS (WEIGHTED 75%)	PERCENT OF PEER RANGE	COMPARISON TO CITY SCHOOLS (WEIGHTED 25%)	PERCENT OF CITY RANGE	POINTS POSSIBLE	POINTS EARNED
Credit Accumulation							
Pct. of Students Earning 10+ Credits in 1st Year (n=111)	75.7%	75.7% (51.6% – 75.3% – 99.0%)	50.8%	75.7% (45.5% – 75.4% – 100.0%)	55.4%	.	.
Pct. of Students in School's Lowest Third Earning 10+ Credits in 1st Year (n=36)	55.6%	55.6% (26.1% – 57.9% – 89.7%)	46.4%	55.6% (18.7% – 60.1% – 100.0%)	45.4%	.	.
Pct. of Students Earning 10+ Credits in 2nd Year (n=124)	87.9%	87.9% (46.9% – 72.0% – 97.1%)	81.7%	87.9% (41.4% – 71.2% – 100.0%)	79.4%	.	.
Pct. of Students in School's Lowest Third Earning 10+ Credits in 2nd Year (n=35)	77.1%	77.1% (21.0% – 56.0% – 91.0%)	80.1%	77.1% (15.9% – 56.3% – 96.7%)	75.7%	.	.
Pct. of Students Earning 10+ Credits in 3rd Year (n=5)	.	(46.3% – 69.8% – 93.3%)	.	(40.6% – 69.7% – 98.8%)	.	.	.
Pct. of Students in School's Lowest Third Earning 10+ Credits in 3rd Year (n=5)	.	(19.2% – 53.0% – 86.8%)	.	(16.0% – 55.6% – 95.2%)	.	.	.
Average Completion Rate for Remaining Regents (n=128)	67.1%	67.1% (21.0% – 45.3% – 69.6%)	94.9%	67.1% (6.0% – 47.0% – 88.0%)	74.5%	.	.
Weighted Regents Pass Rate							
English (n=1)	.	(0.69 – 1.17 – 1.65)	.	(0.62 – 1.15 – 1.68)	.	.	.
Mathematics (n=200)	1.30	1.30 (0.73 – 1.34 – 1.95)	46.7%	1.30 (0.49 – 1.30 – 2.11)	50.0%	.	.
Science (n=174)	1.05	1.05 (0.54 – 1.30 – 2.06)	33.6%	1.05 (0.47 – 1.31 – 2.15)	34.5%	.	.
Global History (n=107)	1.45	1.45 (0.51 – 1.27 – 2.03)	61.8%	1.45 (0.30 – 1.25 – 2.20)	60.5%	.	.
United States History (n=1)	.	(0.58 – 1.17 – 1.76)	.	(0.50 – 1.14 – 1.78)	.	.	.

TOTAL POINTS

How To Interpret These Charts

To determine the number of points earned, this school's 2010-11 results on each metric are compared to the historical results of peer schools and all high schools citywide. The comparison to peer schools is worth 75% of the points for each metric and the comparison to all high schools citywide is worth 25% of the points. The bars represent the range of results for the peer and city comparison schools for 2006-07, 2007-08, 2008-09 and 2009-10 that are within two standard deviations of the average. The percent of the range that is shaded is the school's share of possible points. The share is multiplied by the weight (75% or 25%) and the possible points for the metric to determine the points earned.



Score Calculation Example

FORMULA	(	PERCENT OF PEER RANGE	x	0.75	+	PERCENT OF CITY RANGE	x	0.25	)	x	POINTS POSSIBLE	=	POINTS EARNED
EXAMPLE	(	60%	x	0.75	+	80%	x	0.25	)	x	5	=	3.25

GRADE

SCORE

(out of 25)

GRADE	SCORE RANGE
A	17.5 or higher
B	14.5 - 17.4
C	11.7 - 14.4
D	10.0 - 11.6
F	9.9 or lower

Student Performance represents 25% of the total score. The Student Performance grade is based on how many students graduated within 4 years and 6 years of starting high school, and the types of diplomas these students earned.

	THIS SCHOOL'S RESULTS	COMPARISON TO PEER SCHOOLS (WEIGHTED 75%)	PERCENT OF PEER RANGE	COMPARISON TO CITY SCHOOLS (WEIGHTED 25%)	PERCENT OF CITY RANGE	POINTS POSSIBLE	POINTS EARNED
Graduation Rate							
Four Year Graduation Rate (n=.)	.	43.7% 68.3% 92.9%	.	35.6% 68.9% 100.0%	.	.	.
Six Year Graduation Rate (n=.)	.	50.0% 72.7% 95.4%	.	43.9% 73.8% 100.0%	.	.	.
Weighted Diploma Rate							
Four Year Weighted Diploma Rate (n=.)	.	76.4% 139.7% 203.0%	.	41.9% 143.2% 244.5%	.	.	.
Six Year Weighted Diploma Rate (n=.)	.	77.6% 135.8% 194.0%	.	45.9% 140.7% 235.5%	.	.	.

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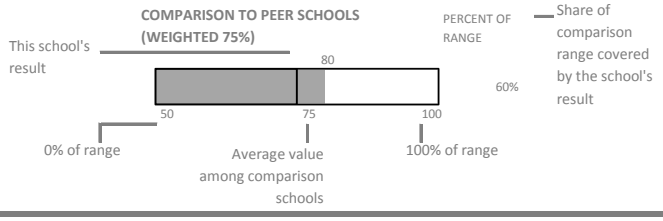

Score Calculation Example

FORMULA	(	PERCENT OF PEER RANGE	x	0.75	+	PERCENT OF CITY RANGE	x	0.25	)	x	POINTS POSSIBLE	=	POINTS EARNED
EXAMPLE	(	60%	x	0.75	+	80%	x	0.25	)	x	5	=	3.25

GRADE

SCORE

(out of 15)

GRADE	SCORE RANGE
A	10.5 or higher
B	8.7 - 10.4
C	7.0 - 8.6
D	6.0 - 6.9
F	5.9 or lower

School Environment represents 15% of the total score. The School Environment grade is based on student attendance and results of the NYC School Survey, on which parents, teachers, and students rate academic expectations, safety and respect, communication, and engagement.

School Survey Results

	THIS SCHOOL'S RESULTS	COMPARISON TO PEER SCHOOLS (WEIGHTED 75%)	PERCENT OF PEER RANGE	COMPARISON TO CITY SCHOOLS (WEIGHTED 25%)	PERCENT OF CITY RANGE	POINTS POSSIBLE	POINTS EARNED
Academic Expectations	7.6	6.0 – 7.2 – 8.4 (7.6)	66.7%	6.0 – 7.3 – 8.6 (7.6)	61.5%	.	.
Communication	7.0	5.0 – 6.4 – 7.8 (7.0)	71.4%	5.1 – 6.4 – 7.7 (7.0)	73.1%	.	.
Engagement	6.9	5.1 – 6.5 – 7.9 (6.9)	64.3%	5.1 – 6.6 – 8.1 (6.9)	60.0%	.	.
Safety and Respect	7.1	5.5 – 7.0 – 8.5 (7.1)	53.3%	5.6 – 7.1 – 8.6 (7.1)	50.0%	.	.
Attendance Rate	88.0%	78.1% – 86.2% – 94.3% (88.0%)	61.1%	74.2% – 86.0% – 97.8% (88.0%)	58.5%	.	.

TOTAL POINTS

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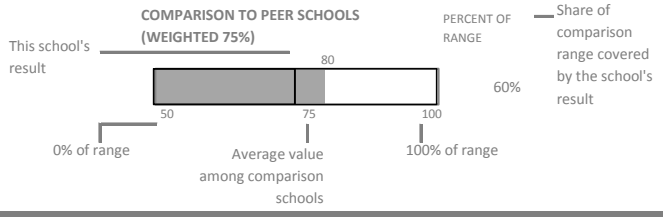

Score Calculation Example

FORMULA	(	PERCENT OF PEER RANGE	x	0.75	+	PERCENT OF CITY RANGE	x	0.25	)	x	POINTS POSSIBLE	=	POINTS EARNED
EXAMPLE	(	60%	x	0.75	+	80%	x	0.25	)	x	5	=	3.25

Schools receive additional credit for exceptional gains by students with disabilities, English Language Learners, and students with the lowest 8th grade proficiency citywide. A school earns full additional credit when its results are in the top 20% of schools citywide. It earns half credit when its results are in the top 40%. Additional Credit can only improve a school's Progress Report score. It cannot lower a school's score. High schools are eligible for points on 7 additional credit metrics, each of which is worth up to 2 points. In the table below, "." in "This School's Results" indicates that a school has fewer than 10 eligible students in one of the weighted diploma rate categories or fewer than 15 eligible students in one of the other categories.

CATEGORY	THIS SCHOOL'S RESULTS	TOP 20% CUTOFF	TOP 40% CUTOFF	POINTS EARNED
Four Year Weighted Diploma Rate				
English language learners (n=.)	.	175.0%	142.0%	.
Self-contained/CTT/SETSS (n=.)	.	252.6%	188.9%	.
All Students in the lowest third citywide (n=.)	.	153.3%	117.5%	.
Black/Hispanic males in the lowest third citywide (n=.)	.	151.2%	114.6%	.
Scored 75 or Higher on Regents				
Students in lowest third citywide, English (n=.)	.	26.8%	19.6%	.
Students in lowest third citywide, Math (n=59)	3.4%	8.2%	5.6%	.
.	.	.	.	.
Movement of students with disabilities to less restrictive environments (n=37)	0.57	0.89	0.70	.

TOTAL POINTS

SPECIAL RECOGNITION

Common Core Pilot

High schools build the foundation of skills and knowledge students need to achieve postsecondary success. As we move toward the Common Core State Standards and the goal of ensuring that our students not only graduate from high school, but graduate ready for the demands of college or the workforce, the Progress Report is evolving to reward high schools whose students successfully engage in rigorous coursework, graduate having met the standards necessary to begin taking college courses for credit, and go on to enroll in college after graduation.

Three new college readiness measures are reported below as unscored metrics, and will be integrated into schools' Progress Report scores and grades beginning with the 2011-12 Progress Report. The peer and city averages represent school-level averages for peer high schools and all high schools citywide, and are provided for context.

College Preparatory Course Index

This metric measures the percentage of students in the 2011 cohort (all students who entered high school four years earlier) who have achieved any of the following:

- Scored 65+ on the Algebra II, Math B, Chemistry, or Physics Regents exam, or
- Scored 3+ on any Advanced Placement (AP) exam, or
- Scored 4+ on any International Baccalaureate (IB) exam, or
- Earned a grade of "C" or higher in a course for college credit (e.g. College Now, Early College)

Students meeting more than one of the requirements above will only be counted once in the numerator.

	THIS SCHOOL'S RESULT	PEER AVERAGE	CITY AVERAGE
College Preparatory Course Index (n=.)	.	29.1%	29.8%

College Readiness Index

This metric measures the percentage of students in the 2011 cohort (all students who entered high school four years earlier) who graduated and met the Regents exam, SAT, and/or course standards for passing out of remedial coursework at the City University of New York (CUNY), by August 2011.

	THIS SCHOOL'S RESULT	PEER AVERAGE	CITY AVERAGE
College Readiness Index (n=.)	.	19.2%	21.5%

* This school did not have a graduating cohort in 2011.

College Enrollment Rate

This metric measures the percentage of students in the 2010 cohort (all students who entered high school four years earlier) who graduated and enrolled in a degree program at a two- or four-year college or university by December 31, 2010.

	THIS SCHOOL'S RESULT	PEER AVERAGE	CITY AVERAGE
College Enrollment Rate (n=.)	.	50.5%	50.4%

* This school did not have a graduating cohort in 2010.

PEER INDEX CALCULATION

The Peer Index is used to sort schools on the basis of student population. A lower Peer Index indicates a higher need population. The Peer Index operates on a 1.00-4.50 scale and is calculated using the following formula.

FORMULA	(	Average 8th grade English and Math proficiency	) -	(	2	x	% students with disabilities	) -	(	2	x	% in self-contained settings	) -	(	% students overage on entry to 9th grade	) = PEER INDEX
FOR THIS SCHOOL	(	2.80	) -	(	2	x	17.5%	) -	(	2	x	6.1%	) -	(	3.7%	) = 2.29

PEER GROUP FOR: CITY POLYTECHNIC HIGH SCHOOL OF ENGINEERING, ARCHITECTURE, AND TECHNOLOGY

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 peer index. Each high school has up to 40 peer schools.

DBN	SCHOOL	PEER INDEX	AVERAGE PROFICIENCY	% IEP	% SELF-CONTAINED	% OVERAGE
02M615	Chelsea Career and Technical Education High School	2.24	2.62	15.5%	0.4%	5.8%
27Q260	Frederick Douglass Academy VI High School	2.25	2.61	12.7%	3.2%	4.4%
25Q460	Flushing High School	2.25	2.64	12.4%	4.2%	6.6%
04M495	Park East High School	2.25	2.59	13.6%	0.6%	5.3%
27Q302	Queens High School for Information, Research, and Technology	2.26	2.61	12.8%	0.0%	9.5%
01M450	East Side Community School	2.26	2.81	23.6%	0.5%	6.8%
02M520	Murry Bergtraum High School for Business Careers	2.26	2.70	14.0%	4.4%	6.7%
14K404	Academy for Young Writers	2.26	2.59	12.6%	0.5%	6.5%
25Q263	Flushing International High School	2.26	2.44	1.5%	0.3%	14.3%
84X395	NYC CHARTER HIGH SCHOOL FOR ARCHITECTURE, ENGINEERING	2.26	2.58	12.7%	0.0%	6.4%
17K548	Brooklyn School for Music & Theatre	2.27	2.54	10.9%	0.0%	5.6%
07X548	Urban Assembly School for Careers in Sports	2.27	2.69	19.6%	0.0%	3.3%
30Q502	Information Technology High School	2.27	2.76	17.5%	5.8%	2.8%
84M353	New Heights Academy Charter School	2.27	2.63	16.6%	0.0%	2.6%
28Q690	High School for Law Enforcement and Public Safety	2.27	2.70	13.4%	6.2%	3.2%
17K751	ACADEMY FOR HEALTH CAREERS	2.27	2.68	11.0%	3.7%	11.0%
29Q326	CAMBRIA HEIGHTS ACADEMY	2.28	2.70	15.4%	0.0%	11.5%
14K477	School for Legal Studies	2.28	2.61	14.1%	0.0%	5.4%
30Q445	William Cullen Bryant High School	2.28	2.72	11.8%	6.7%	7.0%
24Q293	Civic Leadership Academy	2.29	2.65	16.5%	0.3%	2.1%
13K674	**CITY POLYTECHNIC HIGH SCHOOL OF ENGINEERING, ARCHITECT**	**2.29**	**2.80**	**17.5%**	**6.1%**	**3.7%**
11X249	Bronx Health Sciences High School	2.29	2.59	11.1%	0.0%	7.8%
02M438	INTERNATIONAL HIGH SCHOOL AT UNION SQUARE	2.30	2.54	0.0%	0.0%	24.1%
15K462	Secondary School for Law	2.30	2.73	12.6%	6.1%	4.9%
09X505	Bronx School for Law, Government and Justice	2.30	2.77	15.5%	6.3%	2.6%
12X242	Mott Hall V	2.31	2.89	25.0%	0.0%	8.7%
30Q450	Long Island City High School	2.31	2.72	13.3%	4.9%	4.5%
25Q425	John Bowne High School	2.32	2.74	10.9%	4.9%	10.0%
31R460	Susan E. Wagner High School	2.33	2.91	18.4%	9.1%	3.0%
06M348	Washington Heights Expeditionary Learning School	2.33	2.70	15.9%	0.0%	4.4%
05M304	Mott Hall High School	2.34	2.66	14.1%	0.5%	3.5%
24Q530	International High School at LaGuardia Community College	2.34	2.48	0.0%	0.0%	14.3%
84K694	Believe Southside Charter High School	2.35	2.73	14.0%	2.2%	5.9%
08X282	Women's Academy of Excellence	2.35	2.65	12.7%	0.0%	3.9%
17K600	Clara Barton High School	2.36	2.76	12.0%	6.3%	3.8%
29Q259	Pathways College Preparatory School: A College Board School	2.36	2.67	14.1%	0.0%	2.2%
14K478	The High School for Enterprise, Business and Technology	2.37	2.70	13.4%	0.3%	6.1%
10X141	Riverdale / Kingsbridge Academy (Middle School / High School 14	2.38	2.81	14.5%	5.6%	2.9%
84K473	Williamsburg Charter High School	2.38	2.70	14.5%	0.1%	2.5%
21K410	Abraham Lincoln High School	2.38	2.75	11.7%	4.1%	5.5%
24Q550	High School for Arts and Business	2.38	2.65	12.1%	0.3%	
	PEER GROUP AVERAGES	2.30	2.68	13.4%	2.3%	6.3%