



# 2005-06 ANNUAL SCHOOL REPORT SUPPLEMENT

## Region 08

## H.S. 430

### BROOKLYN TECHNICAL HIGH SCHOOL

New York City Public Schools  
Joel I. Klein, Chancellor

Grade Levels:

Students on Oct. 31, 2005: 4,240

Students on May 1, 2006:

#### School Mission Statement

*Brooklyn Tech was instituted by a New York State legislative mandate and is open to all students of the City of New York by competitive examination. Its mission is to inspire and challenge potentially high achievers to maximize their talents for the benefit of society. The goals of Brooklyn Tech are: to provide an environment for educational, social and emotional growth in which students with superior scholastic aptitudes can develop their intellectual gifts and become committed to an examination of ethical approaches to solve world problems; to provide an environment for the research and development of innovative interdisciplinary approaches in the areas of mathematics, science, engineering, computer science and the liberal arts; to attract and challenge outstanding educators to guide students in achieving the highest standard of academic excellence; to prepare our students for leadership and professional roles at the university level and in our society.*

#### Principal's Statement

Brooklyn Tech is one of the seven specialized academic high schools. More than 75% of our students have the opportunity to take advanced placement courses for college credit. More than 98% of the graduates go on to four-year colleges. All students take an additional ten credit sequence in one of the following majors: ARCHITECTURAL ENGINEERING; BIOMED; CHEMISTRY; CIVIL ENGINEERING; COMPUTER SCIENCE; COMPUTER ENGINEERING; ENVIRONMENTAL SCIENCE; GATEWAY TO MEDICINE; INDUSTRIAL DESIGN; MATH/SCIENCE INSTITUTE; MECHANICAL ENGINEERING; MEDIA COMMUNICATIONS; SOCIAL SCIENCE.

#### Special Academic Programs

Brooklyn Tech offers a core program in Regents level courses and engineering. Advanced Placement courses are offered in American history, art, biology, chemistry, calculus, computer science, economics, English, and physics.

#### Extracurricular Activities

Activities include ethnic clubs, stage works, publications, robotics, chess, debate, engineering, and musical and dance groups. Also included is a full complement of athletic teams such as football, basketball, baseball, golf, handball, tennis, track, boys' and girls' swimming, and more.

#### Community Support

Brooklyn Tech has many partnerships including the Brooklyn Philharmonic Orchestra, Chemical Bank, Long Island University, Brooklyn and Manhattan Theatre Clubs, Polytechnic University and Junior Achievement. The Alumni Association is a strong ally and works to revise curriculum, provide staff development and upgrade facilities.

#### Parent/School Support

The parents of Tech students are very active in the community, the school and the political arena. PTA meetings are held twice each month and are well attended. Parents participate in the co/extra-curricular activities, volunteer in the school and participate on the Leadership Team, and in workshops.



#### 2006-07 School Accountability Status:

In Good Standing

#### This school received Title I Funding in:

2004-05: NO; 2005-06: NO; 2006-07: NO

The Division of Assessment and Accountability (DAA) compiled this report primarily from central databases and information provided by this school's principal. Throughout the report, N/A indicates that information was not available or did not apply to this school. The 2005-2006 Annual School Report is a supplement to the New York State Education Department's School Report Card for New York City Schools. Consult the Parent Guide for an explanation of the data in this report. Other DAA reports can be obtained online at [www.nyc.gov/daa](http://www.nyc.gov/daa).

# STUDENTS

## Involved In Police Department Incidents

The total enrollment in this consolidated location is 4240 students. Please keep this number in mind as you review the numbers of incidents.

	This school	Consolidated Locations	Similar Size schools
<b>Major Crimes</b>			
Property Crimes	4		3.0
Crimes Against Persons	0		4.2
Other Crimes	12		22.6
Non- Criminal	4		52.4

Similar-Size Schools include all schools and consolidated locations with enrollments of 4000+ students.

<http://schools.nyc.gov/ourschools/schoolsafety.htm>

## Recent Immigrants\*

Percent of enrollment	2004	2005	2006
This school	2.1	1.8	0.6
Similar schools	2.4	2.0	0.8
City schools	11.6	9.8	7.6

\* Students enrolled as of Oct. 31, 2005 who immigrated to the U.S. within the last three years.

## Recent Immigrants' Place of Birth

Percent of students	2006
BANGLADESH	0.1
HONG KONG	0.1
CANADA	0

## Profile of Entering Ninth and Tenth Graders\*

Characteristics	This School	Similar Schools	City Schools
	Percent	Percent	Percent
Gender Male	59.9	48.7	50.5
Gender Female	40.1	51.3	49.5
Part-time Special Education	0.2	2.1	5.8
Full-time Special Education	0	0.1	5.2
ELL	0.2	1	12.8
Over-age for grade	3.8	7.3	29.9
Percent eligible for free lunch	3.8	7.3	29.9
Avg. daily attend. during prior sem.	95.3	95.2	89.8
Percent meeting standard in:			
ELA (tested only)	96.7	88.6	32.7
Mathematics (tested only)	99.9	91.2	40.8

\* This information is for the students who were on register as new 9th and 10th graders on October 31, 2005 and came from another school.

\* Not applicable to elementary and middle schools

## Admission to Other Schools in September 2005

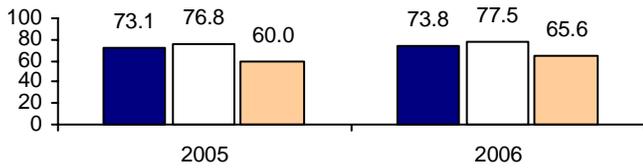
School Name	Boro	District	Leavers*	
			School Number	Percent

\* Leavers are students who left their school for any reason.

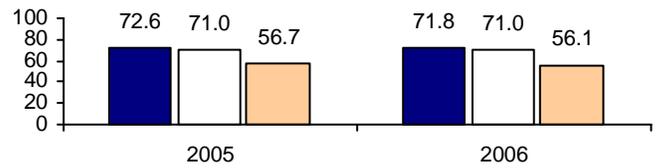
# SCHOOL CHARACTERISTICS

## TEACHERS

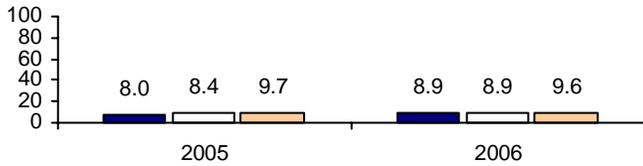
Percent More Than Two Years Teaching in This School



Percent More Than Five Years Teaching Anywhere



Average Days Absent



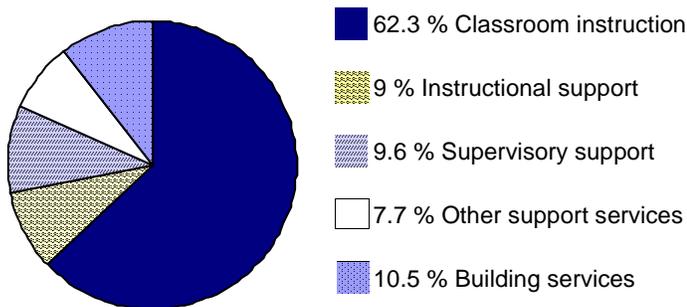
## SCHOOL EXPENDITURES

Average Spending Per Student (Direct Services Only)

	2004	2005	2006
This school	\$7,753	\$8,339	N/A
Similar schools	\$8,711	\$9,424	N/A
City schools	\$11,138	\$11,607	N/A

Note: The state calculation of school expenditures per student for direct and indirect services in 2004 was \$12,896 for all New York City schools. An average of \$13,085 was calculated for all New York State schools including those in New York City.

How money was spent in this school in 2005 (Direct Services Only)



0.8 % is used for District Support.

## OTHER SCHOOL INFORMATION

School Capacity

Percent of utilization*	2004	2005	2006
This school	90.5	91.1	99.7
Similar schools	93.0	93.5	97.3
City schools	106.0	106.4	103.5

\*When over 100%, school has exceeded official capacity.

# PERFORMANCE OF ALL STUDENTS ON REGENTS EXAMINATIONS

	2004-2005				2005-2006			
	Number	55 - 100	65 - 100	85 - 100	Number	55 - 100	65 - 100	85 - 100
	Tested	Percent	Percent	Percent	Tested	Percent	Percent	Percent
<b>ENGLISH</b>								
<b>This School</b>	936	99.8	98.7	51.0	932	99.8	99.4	49.7
<b>Similar Schools</b>	3806	99.1	97.6	68.6	3643	99.2	98.0	67.9
<b>City Schools</b>	63738	78.1	61.6	16.6	70344	77.6	62.9	16.6
<b>MATH A</b>								
<b>This School</b>	729	100.0	100.0	70.6	525	100.0	100.0	81.9
<b>Similar Schools</b>	3225	98.9	97.3	76.6	2935	99.5	98.0	81.9
<b>City Schools</b>	74616	81.2	61.0	13.6	76930	83.1	62.3	13.9
<b>MATH B</b>								
<b>This School</b>	818	92.5	85.8	34.1	937	90.3	80.7	32.3
<b>Similar Schools</b>	3363	92.9	87.1	40.9	3490	92.5	86.3	42.1
<b>City Schools</b>	18163	70.4	58.5	16.3	21205	68.9	56.4	15.5
<b>CHEMISTRY</b>								
<b>This School</b>	1037	97.8	86.6	23.0	1095	98.3	89.8	29.2
<b>Similar Schools</b>	3731	97.8	90.5	34.3	3891	97.4	90.4	38.9
<b>City Schools</b>	23988	77.5	55.9	10.5	24062	79.3	58.0	13.1
<b>LIVING ENVIRONMENT</b>								
<b>This School</b>	1030	100.0	99.7	61.8	980	100.0	99.6	50.6
<b>Similar Schools</b>	3717	99.0	98.2	65.5	3821	98.5	97.9	61.6
<b>City Schools</b>	62307	72.7	55.2	10.6	65322	76.0	56.5	9.7
<b>GLOBAL HISTORY AND GEOGRAPHY</b>								
<b>This School</b>	982	99.4	98.7	70.5	1071	100.0	98.2	72.0
<b>Similar Schools</b>	3711	98.7	97.0	74.8	4014	98.1	96.2	73.8
<b>City Schools</b>	73666	68.8	51.1	15.3	77999	66.6	49.4	16.5
<b>U.S. HISTORY AND GOVERNMENT</b>								
<b>This School</b>	837	99.8	99.5	84.0	914	99.9	99.9	90.3
<b>Similar Schools</b>	3639	98.6	97.1	82.1	3590	99.1	98.1	87.2
<b>City Schools</b>	60352	76.4	61.9	25.6	65271	79.8	64.0	27.7
<b>LANGUAGES OTHER THAN ENGLISH</b>								
<b>This School</b>	858	99.8	99.2	68.4	876	99.8	99.1	70.9
<b>Similar Schools</b>	2915	99.8	99.3	79.7	2948	99.8	99.2	79.4
<b>City Schools</b>	22273	98.1	96.3	66.7	21600	98.2	96.2	67.4

These data are based on all students, including General Education and Special Education students, regardless of services received.

## OTHER INDICATORS

### SCHOLASTIC APTITUDE TEST (SAT) IN 2005-2006

#### Percent of 11th and 12th graders taking SAT

	This School	Similar Schools	City Schools
11th and 12th grade enrollment	1842	8089	100890
Percent taking SAT	49.9	47.5	36.1

#### Average SAT Scores\*

SAT Section	This School	Similar Schools	City Schools
Verbal	588	551	444
Mathematics	645	565	467

\* Scores on each segment of this test range from 200 to 800.

### STUDENT PLANS AFTER GRADUATION

#### Post-high school plans of the 2006 graduates\*

	This ** School	Similar Schools	City Schools
	Percent	Percent	Percent
4-Year college	97.3	76.2	44.3
2-Year college	1.1	1.5	16.2
Employment	0.3	0.2	3.3
Military services	0.3	0.2	0.9
Other	1	21.8	35.2

\*\* Data are not reported if the total number of 2006 graduates are less than 20.

\* These are student reports, which do not include IEP diplomas or local certificates.