



2005-06 ANNUAL SCHOOL REPORT SUPPLEMENT

Region 03

H.S. 492

MATHEMATICS, SCIENCE RESEARCH AND TECHNOLOGY MAGNET HIGH SCHOOL

New York City Public Schools

Joel I. Klein, Chancellor

Grade Levels:

Students on Oct. 31, 2005: 542

Students on May 1, 2006:

School Mission Statement

The Mathematics, Science Research, and Technology Magnet High School is dedicated to providing a comprehensive education for all students and seeks to include students with varied learning styles, cultural backgrounds, and needs. This school's focus is on math, science research skills, and technology. Through the collaborative efforts of the parents, staff, administration, students, and community all students succeed.

Principal's Statement

MAST is a small comprehensive high school designed to offer an expansive and rigorous academic program to those students who welcome a challenge! We welcome students to become engaged in Regents courses of study in the Core subjects and to take advantage of opportunities to receive AP or College instruction in math, science, and English. A graduate from MAST has recently enrolled in the Yale's Minority Medical Program. We also have students enrolled in the Bridge to Medicine program in Queens, and in the A+/Network Plus Computer Certification program, and Desktop Publishing at the school.

Special Academic Programs

Yale Minority Medical Program, Queens Bridge to Medicine, Department of Homeland Security Research Program, PSAT/SAT prep, TECH Prep, DECA, A+ Certification, College N.O.W., PM School, ARISTA, Peer Mentoring, 29 Varsity & Junior Varsity teams, Theatre Arts Program.

Extracurricular Activities

School Newspaper Club, Yearbook Club, Department of Homeland Security Science Research, PM School, Peer Mentoring, Extended Day Anti-Violence Program, Science Research, Computer Repair, Future Teacher's Club, Math Club, Cheerleaders, STEP team.

Community Support

Some of our affiliates include: Yale, Queens College, City College, Queensborough, York College, LaGuardia Community College, Lehman College, New York Urban League, St. John's University.

Parent/School Support

PTA Meetings, Parent Coordinator, School Leadership Team, Consultative Council, Award Ceremonies, Evening GED Courses, UFT Courses, Guidance, Counseling, Parent Orientation, and Scholarships & Awards. Dress code, Academic Intervention Services, Grade Advisors, Peer Mentoring, & Project Welcome.

2006-07 School Accountability Status:

Requiring Academic Progress - Year 3

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.

STUDENTS

Involved In Police Department Incidents

The total enrollment in this consolidated location is 542 students. Please keep this number in mind as you review the numbers of incidents.

	This school	Consolidated Locations	Similar Size schools
Major Crimes			
Property Crimes		0	1.6
Crimes Against Persons		6	2.6
Other Crimes		33	18.5
Non- Criminal		69	45.6

No separate data is available for this school. Multiple schools are found at a single address, and the incident data have been consolidated so that the same data are reported for all those schools. These schools are included in this consolidated location: BUSINESS, COMPUTER APPLICATIONS AND ENTREPRENEURSHIP|HUMANITIES & ARTS MAGNET HIGH SCHOOL|MATHEMATICS, SCIENCE RESEARCH AND TECHNOLOGY MAGNET HIGH SCHOOL|LAW, GOVERNMENT AND COMMUNITY SERVICE HIGH SCHOOL, Similar-Sized Schools include all schools and consolidated locations with enrollments of 2001-2500 students

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

Recent Immigrants*

Percent of enrollment	2004	2005	2006
This school	9.4	9.5	5.4
Similar schools	9.5	8.1	5.9
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
JAMAICA	1.3
HAITI	0.7
BANGLADESH	0.6

Profile of Entering Ninth and Tenth Graders*

Characteristics	This School	Similar Schools	City Schools
	Percent	Percent	Percent
Gender Male	59.6	49.7	50.5
Gender Female	40.4	50.3	49.5
Part-time Special Education	5.5	6.5	5.8
Full-time Special Education	8.9	5.1	5.2
ELL	2.7	9.5	12.8
Over-age for grade	41.1	26.5	29.9
Percent eligible for free lunch	41.1	26.5	29.9
Avg. daily attend. during prior sem.	91.1	90.1	89.8
Percent meeting standard in:			
ELA (tested only)	18.7	30.3	32.7
Mathematics (tested only)	38.3	39.7	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

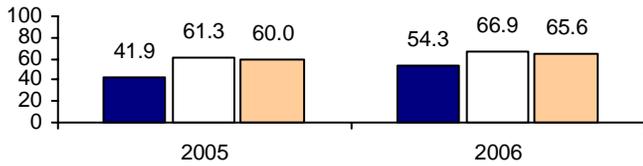
School Name	Boro	District	Leavers*	
			School Number	Percent

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

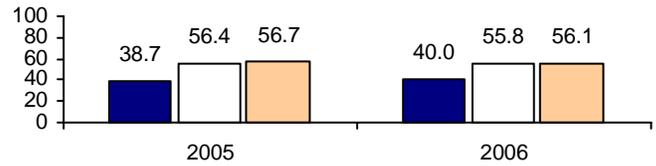
SCHOOL CHARACTERISTICS

TEACHERS

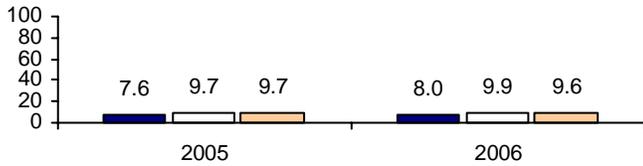
Percent More Than Two Years Teaching in This School



Percent More Than Five Years Teaching Anywhere



Average Days Absent



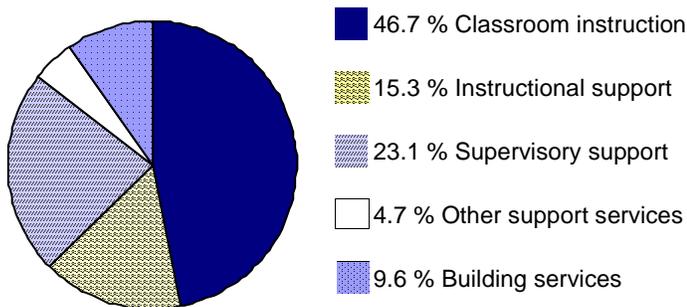
SCHOOL EXPENDITURES

Average Spending Per Student (Direct Services Only)

	2004	2005	2006
This school	\$10,719	\$11,347	N/A
Similar schools	\$10,584	\$10,761	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)



0.6 % is used for District Support.

OTHER SCHOOL INFORMATION

School Capacity

Percent of utilization*	2004	2005	2006
This school	60.3	90.9	94.6
Similar schools	116.3	113.2	111.3
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
ENGLISH								
This School	143	81.8	72.0	11.2	157	75.8	61.8	7.6
Similar Schools	14182	84.5	70.4	16.0	16707	82.2	69.2	15.9
City Schools	63738	78.1	61.6	16.6	70344	77.6	62.9	16.6
MATH A								
This School	179	86.6	70.9	5.6	169	79.3	51.5	1.2
Similar Schools	17486	87.6	70.5	13.5	19092	87.5	70.0	13.2
City Schools	74616	81.2	61.0	13.6	76930	83.1	62.3	13.9
MATH B								
This School	7	0.0	0.0	0.0	50	52.0	34.0	2.0
Similar Schools	4387	66.0	52.1	9.7	5112	66.2	50.9	9.3
City Schools	18163	70.4	58.5	16.3	21205	68.9	56.4	15.5
CHEMISTRY								
This School	74	81.1	43.2	2.7	80	50.0	21.3	0.0
Similar Schools	5791	77.5	50.3	4.7	5848	78.0	51.8	6.2
City Schools	23988	77.5	55.9	10.5	24062	79.3	58.0	13.1
LIVING ENVIRONMENT								
This School	117	78.6	59.8	8.5	176	76.7	58.5	2.8
Similar Schools	15327	77.2	59.8	7.1	17800	78.9	59.9	6.6
City Schools	62307	72.7	55.2	10.6	65322	76.0	56.5	9.7
GLOBAL HISTORY AND GEOGRAPHY								
This School	177	70.6	46.9	7.3	58	43.1	20.7	3.4
Similar Schools	17557	75.2	58.7	15.2	20047	71.7	55.0	16.1
City Schools	73666	68.8	51.1	15.3	77999	66.6	49.4	16.5
U.S. HISTORY AND GOVERNMENT								
This School	264	65.2	56.4	18.6	307	55.4	41.4	11.1
Similar Schools	14542	81.3	68.8	26.1	16603	83.1	69.5	29.2
City Schools	60352	76.4	61.9	25.6	65271	79.8	64.0	27.7
LANGUAGES OTHER THAN ENGLISH								
This School	11	90.9	90.9	63.6	15	93.3	93.3	46.7
Similar Schools	5678	98.6	96.7	63.3	5412	98.4	96.7	66.7
City Schools	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	266	24166	100890
Percent taking SAT	22.2	39.4	36.1

Average SAT Scores*

SAT Section	This School	Similar Schools	City Schools
Verbal	428	426	444
Mathematics	441	433	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 Percent	Similar Schools Percent	City Schools Percent
4-Year college	73	50.7	44.3
2-Year college	3	14.9	16.2
Employment	1	3.3	3.3
Military services	4	1.1	0.9
Other	19	30	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.