

The **SPECIALIZED** High Schools

There are nine Specialized High Schools in New York City. For eight of these schools, admission is based on the score attained on the Specialized High Schools Admissions Test (SHSAT). The exception is Fiorello H. LaGuardia High School of Music & Art and Performing Arts (LaGuardia High School) where acceptance is by audition and a review of academic records. General descriptions for the Specialized High Schools can be found in the Directory of the New York City Public High Schools (online at <http://schools.nyc.gov/ChoicesEnrollment/High/default.htm>). Below is more information about the Specialized High School programs.

Bronx High School of Science

75 West 205th Street, Bronx, New York 10468

TELEPHONE: (718) 817-7700

WEBSITE: www.bxscience.edu

E-MAIL: reidy@bxscience.edu

Bronx High School of Science has a world-renowned reputation, boasting seven Nobel Laureates, more than most countries, and is the nation's all-time leader in the Westinghouse/Intel Science Talent Search. Bronx Science provides an enriched and diverse program to prepare students for leadership positions in science and society. Teachers are recognized professionals specializing in the sciences, arts, and humanities. Students benefit from a well-rounded education.

Bronx High School of Science offers Advanced Placement courses in physics, chemistry, biology, calculus, statistics, computer science, United States history, government, economics, world history, European history, English literature, English language, French Latin language, Spanish literature, Spanish language, Japanese, Russian, art history, studio art, and music theory. Bronx Science also offers nine languages, extensive electives in biology, physics, chemistry, technology, and the humanities. The music department offers the opportunity to participate in the orchestra, band, chorus, and jazz ensembles.

Extracurricular activities include over 60 after-school clubs, 30 athletic teams, an internationally acclaimed Speech and Debate Team, Mock Trial, a world-class Robotics Team, two full-scale theatrical productions, school newspaper, and journals.

The Brooklyn Latin School

325 Bushwick Avenue, Brooklyn, New York 11206

TELEPHONE: (718) 366-0154

The Brooklyn Latin School provides a rigorous education in the classics through a student-centered approach that stresses questioning, discussion, and exploration of the ideas that have shaped Western society.

Students are required to take four years of Latin, along with four years of English and history, and three years of laboratory science. All classes conduct Socratic Seminar and round-table discussions led by students, including regular public speaking exercises, known as declamations.

In the first year, students are introduced to the classical world. In their English survey class, students read cornerstone works such as *The Odyssey* and *The Aeneid*. At the same time, they study the history of classical civilizations such as Egypt and Greece and translate selections from Roman literature in their introductory Latin class. All freshmen are also required to take physics, mathematics, art history, and a modern foreign language (Spanish).

Upperclassmen take advanced-level classes, which stress an in-depth approach to subject matter and instruction. Electives are offered in the humanities, along with sciences such as chemistry and biology.

In addition to academics, The Brooklyn Latin School provides a full range of physical education offerings, along with counseling services and extracurricular activities. Students are encouraged to take an active role in molding the culture of the school, and it is expected that their time at Brooklyn Latin will prepare them to become the future leaders of the nation.

Brooklyn Technical High School

29 Fort Greene Place, Brooklyn, New York 11217

TELEPHONE: (718) 804-6400

WEBSITE: www.bths.edu

Brooklyn Technical High School is committed to providing an outstanding educational experience in the areas of engineering, the sciences, and computer science for its student body.

During the ninth and tenth grades, all students take an academic core and begin to explore the fields of engineering, science, and computers through hands-on experience in fully equipped laboratories, computer centers, shops, and theory classes.

For the eleventh and twelfth grades, Tech students choose one of the following major areas of concentration, organized in schools: Aerospace Engineering, Architecture, Bio-Medical, Chemistry, Civil Engineering, Computer Science Technology, Electro-Mechanical Engineering (Applied Physics), Environmental Science, Industrial Design, International Arts and Sciences, Law & Society, Mathematics, Media Communications, and Social Science Research.

While specializing in these areas, students continue their academic core. It is important to note that ALL Tech students meet the requirements to enter ANY field of study on the college level, regardless of their major. However, they are particularly well prepared in their major area of concentration.

High School for Mathematics, Science and Engineering at the City College

138th Street and Convent Avenue, New York, New York 10031

TELEPHONE: (212) 220-8179

WEBSITE: www.hsmse.org

The High School for Mathematics, Science and Engineering at the City College provides an educational experience in which students are challenged to expand their intellect and to develop habits of inquiry, expression, critical thinking, and problem seeking, as well as problem solving, research, and presentation. The high school's rigorous instructional program focuses on mathematics, engineering, and science.

The curriculum encompasses core courses and advanced studies including writing and composition, history, literature, language, mathematics, science, engineering, and the arts. The courses are integrated with collegiate experiences throughout the core and elective courses, including a variety of summer institutes related to individualized student interests. Additional enrichment opportunities include school publications and academic competitions, such as a Math Team, Science Olympiad, and Robotics.

Students will have the opportunity to complete high school requirements in the third year of study and during their fourth year of high school to enroll in college courses related to their field of interest.

High School of American Studies at Lehman College

2925 Goulden Avenue, Bronx, New York 10468

TELEPHONE: (718) 329-2144

WEBSITE: www.lehman.cuny.edu/hsas

The High School of American Studies at Lehman College emphasizes the study of American history and offers students an academic program that is both well-rounded and challenging. Our goal is to prepare students for admission to highly competitive colleges and for a wide range of careers in politics, law, journalism, business, science, mathematics, and the arts.

All students engage in a three-year chronological study of American history. Our aim is to make history come alive through the use of primary source documents, films, biographies, literature, and creative teaching techniques. Supported by the Gilder-Lehrman Institute, students gain firsthand knowledge of the key events in American history through trips to sites and cities of historic importance and through participation in special seminars with guest speakers. We also offer honors-level, Advanced Placement, and elective courses in mathematics, science, constitutional and criminal law, literature, foreign languages, history, and the arts. A special component of our program focuses on the development of college-level research skills and methodologies, and students are therefore supported by school and college faculty in the process of pursuing individualized research projects. Through our collaboration with Lehman College, students have access to its campus library and athletic facilities and take credit-bearing college classes and seminars in their junior and senior years. After school, students may participate in a wide variety of extracurricular activities and PSAL sports. In all of our endeavors, we seek to encourage in our students a love for learning and an inquisitive spirit.

Queens High School for the Sciences at York College

94-50 159th Street, Jamaica, New York 11451

TELEPHONE: (718) 657-3181

WEBSITE: www.qhssyc.org

E-MAIL: qhssatyc@yahoo.com

The Queens High School for the Sciences at York College emphasizes science, mathematics, and technology education. Students who seek a rigorous academic education receive a comprehensive high school education with the addition of an extra class each day in Science Research, Mathematics Research/Mathematics Team, or Technology Education. All students receive instruction in carrying on research and have the opportunity to develop an Intel research project by the senior year. Students are assigned to research project advisors who mentor them throughout their four years of high school.

The education program provides cross-curricular learning experiences. Research opportunities, with technology education infused across all curricula, prepare students for understanding and competing in a highly technological society. An emphasis on communication skills, including speaking and writing, develops the students' critical thinking processes needed to meet the challenges of their academic and personal endeavors. Flexible scheduling, such as modular or block scheduling, allows for extended time and the ability to include extra classes within the school-day timeframe. The school's rigorous curriculum exceeds State and City standards and prepares students for career, college, and success in all of life's endeavors.

Students have opportunities to complete many of their high school Regents requirements within three years and pursue college academic subjects on the York College campus during their senior year. Students with an interest in pursuing medicine as a career will be eligible to participate in York College's Bridge to Medicine Program.

Staten Island Technical High School

485 Clawson Street, Staten Island, New York 10306

TELEPHONE: (718) 667-5725

WEBSITE: www.siths.org

E-MAIL: gpo@SITHS.org

Staten Island Technical High School provides a demanding and challenging college preparatory curriculum emphasizing mathematics, science, computers, engineering, and the humanities.

Facilities include state-of-the-art science, engineering, and computer laboratories. Along with a highly engaging, rigorous core curriculum, all students are scheduled for technical courses in Computer Software, Engineering Survey, Technical Drawing with Inventor Technology, Electronics, AutoCAD with Mannequin Technology, Programming in C++, CISCO Networking, Forensic Science, and Biotechnology and Molecular Science. Students may participate in the school's Science Engineering Research Program (SERP) and selected internships.

The students at Staten Island Tech have the opportunity to take Advanced Placement courses in physics, chemistry, biology, calculus, macroeconomics, English, social studies, and Russian. In addition, elective courses are offered in Web Design and Advanced AutoCAD. Students interested in the performing arts may participate in band, ensembles, dance, and drama.

As part of the school's co-curricular and extended-day programs, students have the opportunity to participate in a variety of activities, such as student government, publications, performing arts programs, PSAL teams that foster the development of a well-rounded scholar athlete, and various college-credit courses offered on site.

Stuyvesant High School

345 Chambers Street, New York, New York 10282-1099

TELEPHONE: (212) 312-4800

WEBSITE: www.stuy.edu

Stuyvesant High School, founded in 1904, has been and continues to be committed to excellence in education. The school's enriched curriculum includes required courses for graduation and affords its students the opportunity to take advanced courses.

Some of these advanced courses are in mathematics and science, including calculus, qualitative analysis, organic chemistry, and astronomy. In addition, a wide range of electives in other disciplines is available. The Technology Department course offerings include technology computer drafting, computer science, and robotics. Students interested in music may participate in symphonic band, symphony orchestra, jazz band, and various choral groups and ensembles.

Students have the opportunity to participate in independent research and to take college courses at New York University, Hunter College, and City College of New York. Stuyvesant High School prides itself on the number of National Merit, National Achievement, National Hispanic Scholars, and Intel Science Talent Research recipients and finalists it has garnered every year. Stuyvesant High School is also proud of its extensive extracurricular program. There are 31 athletic teams, 20 major publications, and an active and elaborate system of student government, making it one of the most unique high schools in America.

Fiorello H. LaGuardia High School of Music & Art and Performing Arts

100 Amsterdam Avenue, New York, New York 10023

TELEPHONE: (212) 496-0700

WEBSITE: www.laguardiahs.org

E-MAIL: laguardiaadmissions@yahoo.com

The Fiorello H. LaGuardia High School of Music & Art and Performing Arts enjoys an international reputation as the first and foremost high school dedicated to nurturing students gifted in the arts. LaGuardia Arts continues to be the model for schools for the arts throughout the world because the school provides a uniquely balanced educational experience that includes both rigorous conservatory-style training and a challenging, comprehensive college-preparatory academic program. The conservatory programs include Dance, Drama, Instrumental and Vocal Music, Fine Arts, and Technical Theatre.

Students in the **Dance** program will study ballet and modern dance; supplementary courses include: dance history, choreography, theatre dance (tap and jazz), career management, and survival skills. In **Drama**, the focus is on theatre preparation through courses in acting, voice and diction, physical techniques, theatre history, and script analysis. **Instrumental Music** and **Vocal Music** courses include: sight singing, diction, music theory, and music history. The Vocal Music Studio also includes performing opportunities in musical theatre, opera, choir, chamber music, and solo voice, and training in Italian, German, and French vocal literature. The Instrumental Music Studio courses include four symphonic orchestras, three concert bands, and two jazz bands, as well as electives in chamber music, conducting, and electronic music. In the area of **Fine Arts**, drawing, water color, 3-D design, oil/acrylic painting, ceramics, photography, sculpture, illustration, advanced painting, and drawing are offered. In **Technical Theatre**, the focus is on practical theatre training in scenic carpentry, costume construction, drafting, electronics, sound properties, stage management, and design. Each year's program culminates in performances and exhibitions. The 2,600 students at LaGuardia High School can expect to put in a longer school day and, at performance times, will be required to spend many extra hours in rehearsal. **Auditions** will be held at the school. See pages 8-9 for audition information.