OUR MISSION

to create a profound learning experience in science, technology, engineering and math for a better tomorrow.

CONGRATULATIONS:

to the following students who will receive awards at NYCSEF (New York City Science and Engineering Fair):

Meera Doshi , John Spezza, Paul Spezza, , Akansha Thakur, Ilona Petrychyn and Indu Puthenkalam

&

to the math and science teachers for trailblazing the courses now available in the Carl Sagan STEM program.

THE TEACHERS

All teachers in the STEM program choose to teach in their area of specialty and passion. As a result, the education your child receives will be invigorating. In addition, exposure to STEM will further prepare them for college.

THE ADMINISTRATION

The Assistant Principals of Science & Math work closely and open-mindedly with the teachers of the STEM program to create the most fruitful experience for all in the Carl Sagan STEM program.

Science AP: Boosang(Elizabeth)Kim

bkim3@schools.nyc.gov

(718) 268-3137 x-2580

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Math AP: Rosalyn Fitzgerald
rfitzgerald@schools.nyc.gov

(718) 268-3137 x-2410

Forest Hills High School

CARL SAGAN

Science

Technology

Engineering

Math

Saul Gootnick, Principal

Boosang (Elizabeth) Kim, Assistant Principal of Science

Rosalyn Fitzgerald, Assistant Principal of Math

67-01 110th Street
Forest Hills, NY 11375

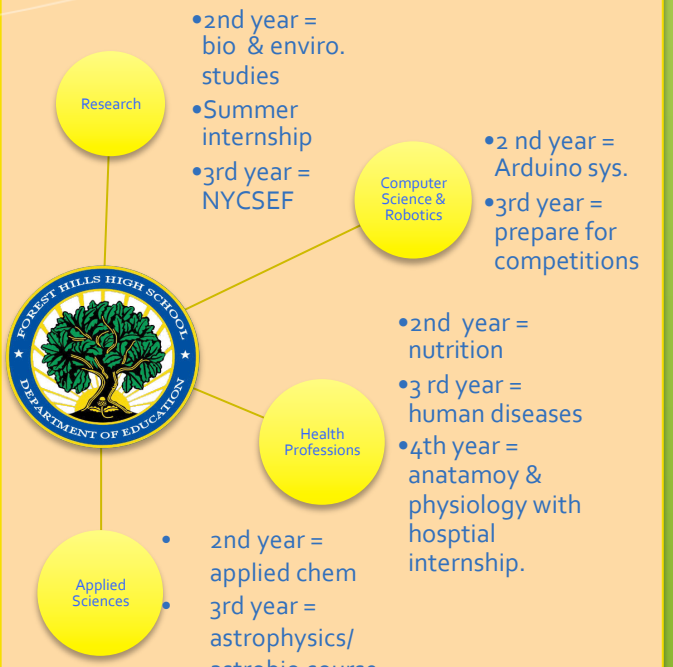
foresthillshs.org/departments/science

What is the **Carl Sagan STEM** program at Forest Hills High School?

The Carl Sagan STEM program is an exciting program that immerses students in various science pathways, including competitive research and robotics. After completing their first year, students choose one of four pathways. **Brief descriptions of each pathway are listed below.**

All pathways also include the enrollment of Advanced Placement Courses (college level) in the science of your child's choosing. AP Environmental, AP Chemistry, AP Physics, and AP Biology are currently offered. In addition, all students in the STEM program must maintain honors grades in science and math to stay enrolled.

Pathways at a Glance



SCIENCE RESEARCH PATHWAY

Students complete an independent research project in biology or environmental science. Students also apply for internships and mentorships at universities or other organizations in the summer after sophomore year. Students who wish to compete with their project, will do so in their third year. These experiences will make them highly competitive in college applications for science and medical fields.

HEALTH PROFESSIONS PATHWAY

Students interested in the medical field take a nutrition class second year. During the third year they take a course in human disease. In their senior year they take an anatomy & physiology course and complete an internship at Long Island Jewish Forest Hills, a community hospital. In the internship shadowing of doctors/nurses takes place.

COMPUTER SCIENCE & ROBOTICS PATHWAY

Students immerse themselves into the Arduino systems in their second year and learn the fundamentals of robotic design and programing. During their third year students prepare for their first robotics competitions. These experiences will make them competitive in college applications for computer science and engineering fields.

APPLIED SCIENCE PATHWAY

Students apply science principles to hands on tasks. Students enroll in an applied chemistry course during their second year and then take an astrophysics/astrobiology course during year three of the Carl Sagan STEM program. Student interested in majoring in science, including the medical field, or engineering in college would benefit from this pathway.