Eligibility

The Science & Engineering Academy will accept its third cohort of up to 24 ninth graders through a rigorous selection process. Student Requirements include:

- Edison resident
- Honor Roll level achievement in all coursework
- 8th Grade Honors Geometry
- Self motivated and independent worker

Transportation

Bussing will be provided for students more than 2.5 miles from Edison High School.

Application Process

Applications for the Science & Engineering Academy will be given to any student who meets the requirements. All completed applications should be submitted to your middle school counselor no later than December 12, 2014.

A selection committee will review all applications based on the following criteria:

- Application and interview
- Entrance Exam
- Teacher recommendations (3)

Key Dates

Nov. 17 Parent/Student Information Night at EHS
Nov. 18 Parent/ Student Information Night at JAMS
Dec. 12 Applications due
Dec. 20 Entrance Exam
Jan. 15 Notification of acceptance

Most Rigorous Curriculum Possible
21st Century Skills
Minimum 11 AP Courses
State Of The Art Facilities

Sponsored by the Public Schools of Edison Township

Science & Engineering Academy
at Edison High School
50 Boulevard of the Eagles
Edison, NJ 08817

PUBLIC SCHOOLS OF EDISON TOWNSHIP

Science & Engineering Academy

STEM @ EHS

The Science & Engineering Academy at Edison High School is a demanding four-year-program that offers highly motivated students an opportunity to explore their interest in the fields of mathematics, science and engineering within a comprehensive high school. STEM students:

- Take a minimum of 11 Advanced Placement courses.
- Take classes in a 16,000 sq. ft. state of the art science facility equipped with laboratory and digital technology used by the industry, including a 3-D printer.
- Have a dedicated guidance counselor to assist them with the demands of their rigorous course load, provide them with prioritized scheduling, and facilitate the college application process.
- Interact with professionals in the fields of Science and Engineering while exploring future career paths.

What to Expect

Unlike other STEM programs, students in the Science & Engineering Academy at Edison High School have the advantage of a rigorous academic program within a comprehensive high school — one in which students can prepare for a career in science, technology, engineering or math while getting the "high school experience." The program is not self-contained, so students take non-science classes with the school's general population.

Freshman year starts with a summer program focused on building the firm foundation in Biology needed to tackle AP level content. Students are introduced the software used in the Intro to Engineering lab.

During the four-year program, students will learn the tools to conduct a research project in engineering design, robotics or technology. Additionally, they may take part in state and national competitions.

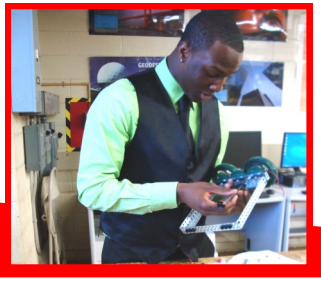
What's Great About EHS?

92% **of our freshmen STEM students passed the AP Biology Exam in 2014.**

51 **extra-curricular clubs**

24 **athletic programs**

6 **world languages**



Tentative Course Sequence

Grade 9	Grade 10
Intro to Engineering	Graphics & Engineering
AP Biology	AP Chemistry
Algebra 2 Honors	Pre-Calculus Honors
English 9 Honors	English 10 Honors
US History 1 Honors	AP US History 2
World Language	World Language
Health/Physical Education	Health/Physical Education
S & E Recitation	S & E Recitation
Grade 11	**Grade 12**
Science & Engineering Research Project	AP Computer Science or Robotics or Electrical Engineering
AP Physics 1	AP Physics 2
AP Calculus AB	AP Calculus BC
AP Lang/Composition	AP Literature
AP World History	Elective
World Language	AP World Language
Health/Physical Education	Health/Physical Education
S & E Recitation	S & E Recitation

Richard J. O'Malley, Ed. D., Superintendent
Margaret DeLuca, Chief Academic Officer/ Secondary
Charles K. Ross, Principal
Laurie Maier, Science Supervisor
Denis Sheeran, Math Supervisor
Tara Campos, Supervisor of Academic Programs