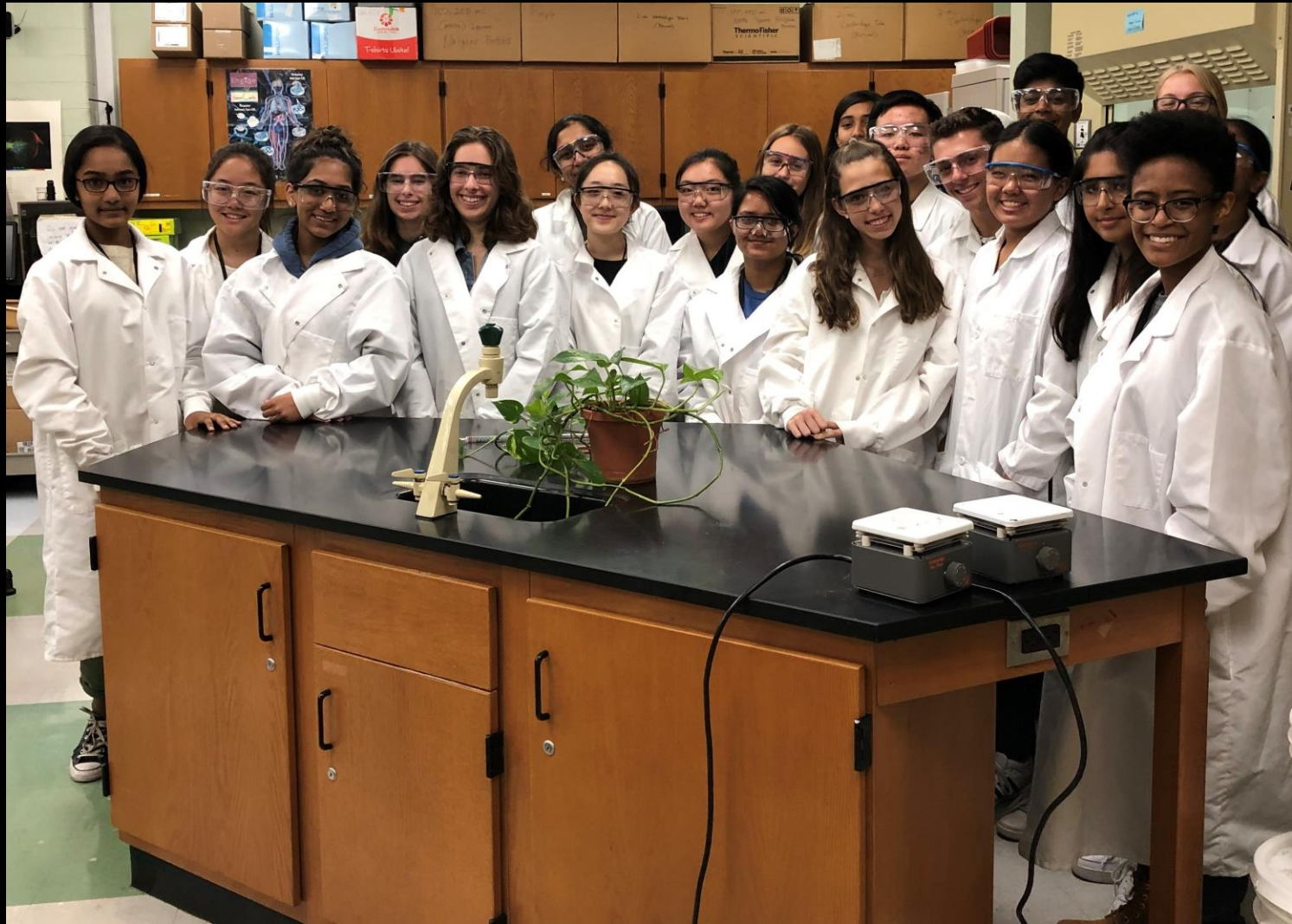


Academy for Medical Science Technology



For the student interested in a career in medicine and healthcare

Career Goals

Graduates from AMST:



- **Dentists**
- **Biomedical engineers**
- **Medical research scientists**
- **Nurses**
- **Pharmacists**
- **Physical therapists**
- **Physicians (MD or DO)**
- **Physician's assistants**
- **Psychologists**
- **Speech therapists**
- **Veterinarians**

9th Grade



CORE COURSES

ENGLISH, HISTORY,
MATHEMATICS, PHYSICAL
EDUCATION, and
WORLD LANGUAGE

SCIENCE COURSES

BIOLOGY
CHEMISTRY

MEDICAL SCIENCE SEMINAR

EPIDEMIOLOGY
PHARMACOLOGY
EXPERIMENTAL SCIENCE

10th Grade

SCIENCE COURSES
BIOTECHNOLOGY LAB
CHEMISTRY
PHYSICS

MEDICAL SCIENCE ROTATION II
BIOETHICS
NEUROSCIENCE
ZOOLOGY

CORE COURSES
ENGLISH, HISTORY,
MATHEMATICS, PHYSICAL
EDUCATION, and WORLD
LANGUAGE



11th Grade



SCIENCE COURSE

ANATOMY AND PHYSIOLOGY

CORE COURSES

**ENGLISH, HISTORY,
MATHEMATICS, PHYSICAL EDUCATION, and
WORLD LANGUAGE**

**Advanced Placement (AP) and
International Baccalaureate (IB) courses
are available in Art, Calculus,
Economics, English, History, Music,
Statistics and World Languages.**

12th Grade

Seniors have no specific “required” courses in science and are able to design their schedules to address their areas of individual interest.

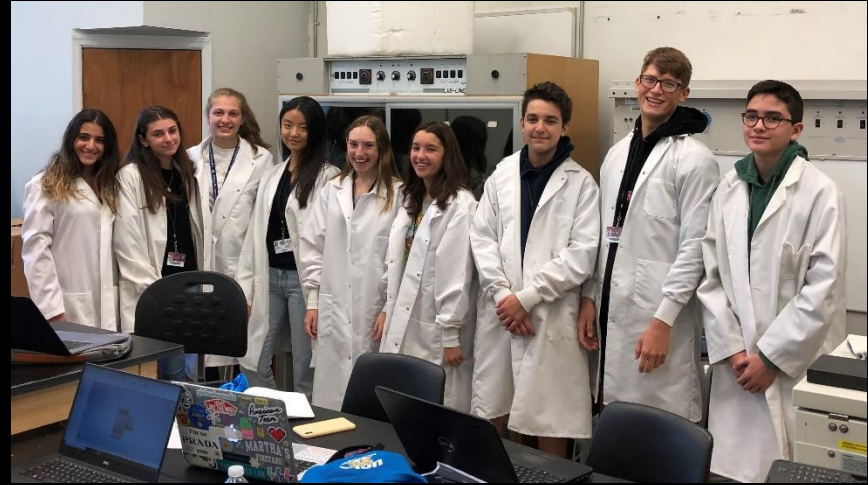


**OPTIONS: AP and / or IB Science Courses:
Bio, Chem, Physics IB Environmental
Science**

**During 12th grade, all BCA students spend
every Wednesday off campus at their
SENIOR INTERNSHIP**

Biomedical Electives

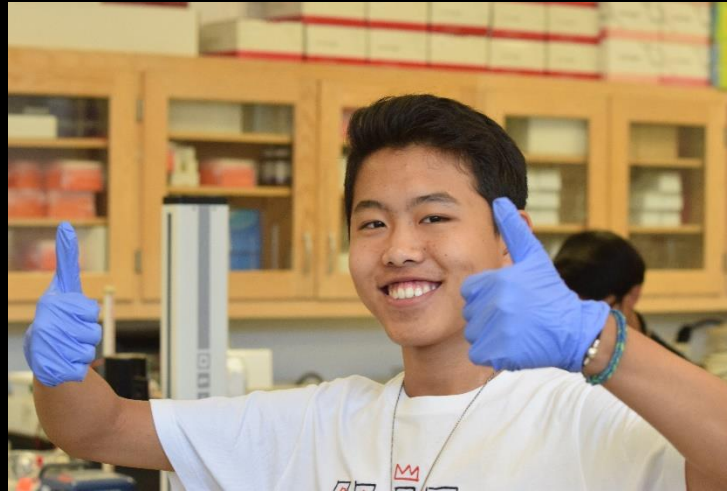
- Animal Surgery
 - Agriscience
 - Developmental Biology
 - Forensic Science
 - Introduction to Microscopy
 - Medical Microbiology
 - Microscopy
 - Nanotechnology
 - Organic Chemistry
 - Oncology & Hematology
 - Psychology
 - Research Methods
 - Sports Medicine
-
- AP Chemistry (11th or 12th)
 - IB Environmental Systems (11th or 12th)
 - AP Biology (12th)
 - AP Psychology (12th)



6 Research Programs

Students begin research in late 9th grade and continue through 12th grade

Wednesdays are special at BCA



Bergen County Academies Mini-Medical School Project

Presentations by:

BCA Alumni:
Premedical, Medical and Residency Life

Bergen County Hospital Physicians:
Career Specialties



AMST students, grade 11 or 12, come together with doctors from surrounding hospitals who provide guidance regarding a career path in medicine.

HOSA is a national student organization that promotes career opportunities in the healthcare industry and promotes the delivery of quality healthcare to all people.

AMST Graduates

Since AMST has existed for over 20 years, many of our alumni have completed graduate school and are now practicing professionals. They continue to return and advise current students about their career options. Their advice also helps us to revise our curriculum to enable our graduates to succeed.

