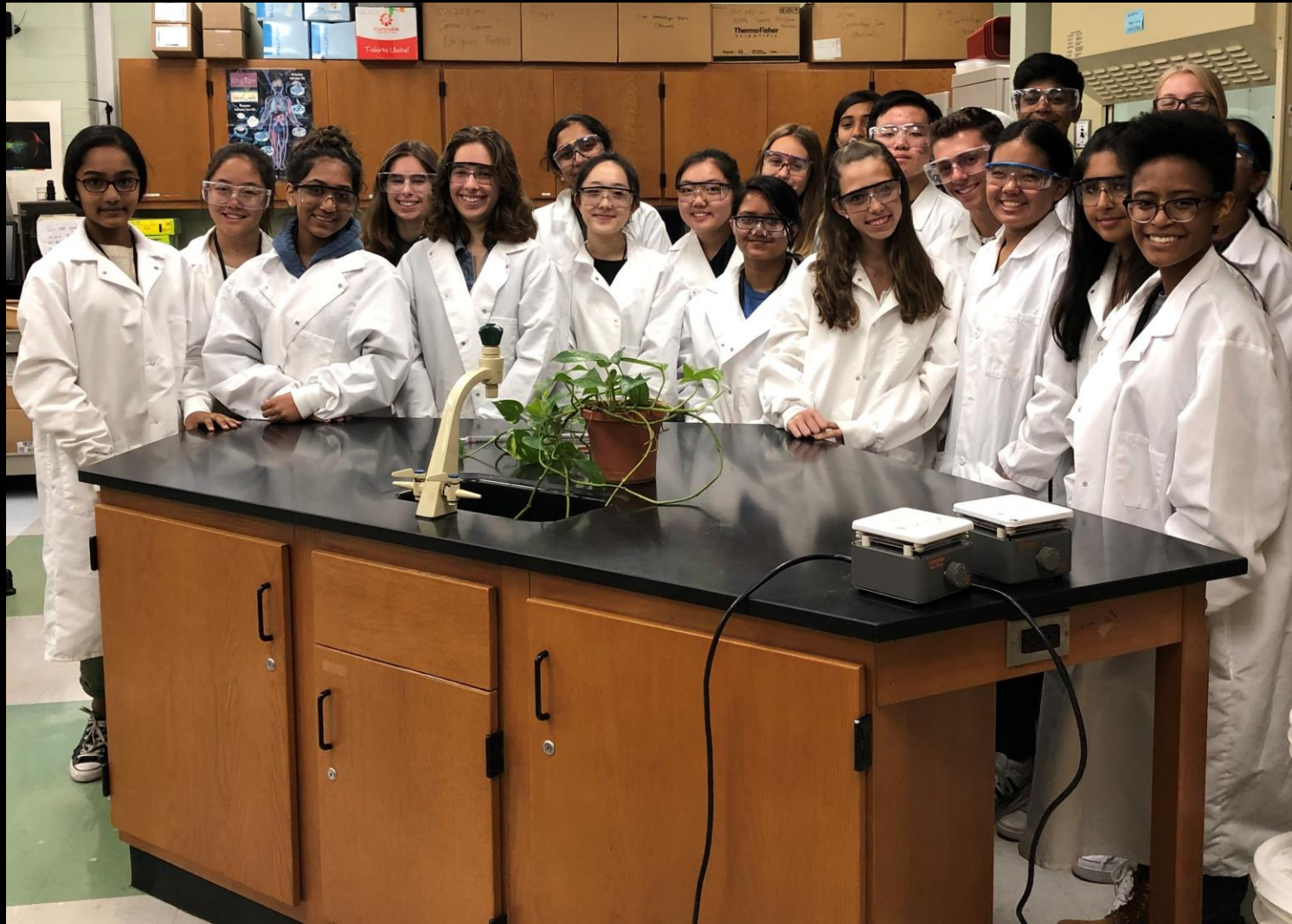


# Academy for Medical Science Technology



For the student interested in a career in medicine and healthcare

# Career Goals

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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

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## CORE COURSES

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

SCIENCE COURSES  
BIOLOGY  
CHEMISTRY

## MEDICAL SCIENCE SEMINAR

EPIDEMIOLOGY  
PHARMACOLOGY  
EXPERIMENTAL SCIENCE

# 10th Grade

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**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

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## 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

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

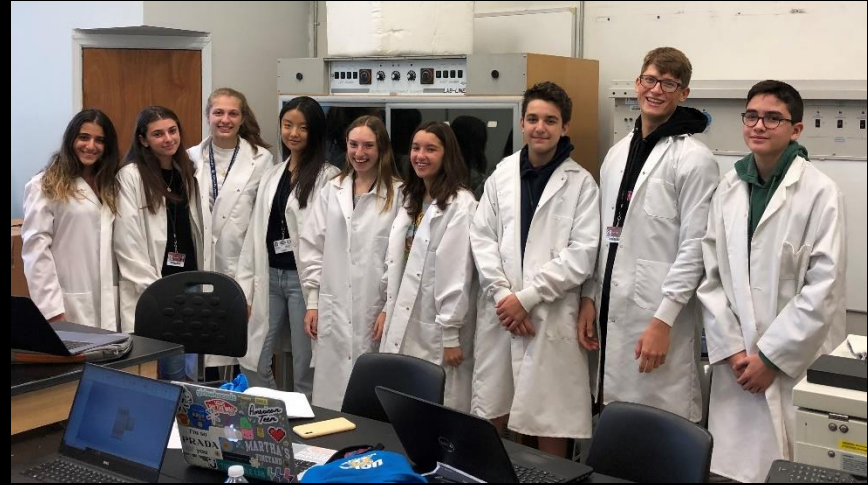


**OPTIONS: AP and / or IB Science Courses:  
Bio, Chem, Physics IB Environmental  
Science**

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

# Biomedical Electives

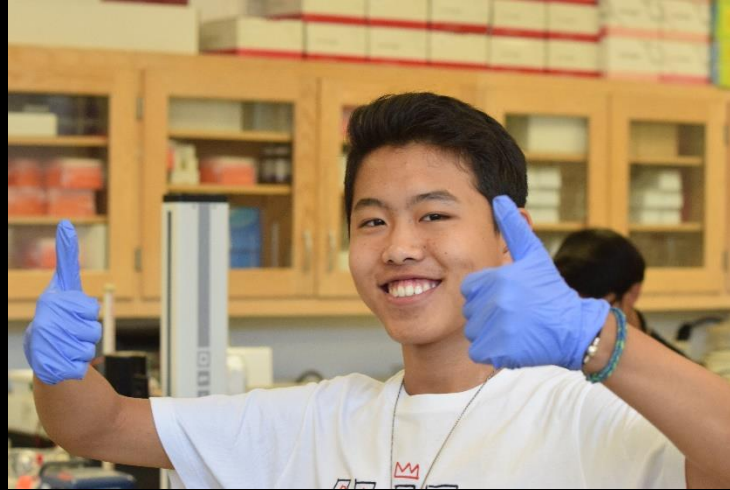
- Animal Surgery
  - Agriscience
  - Developmental Biology
  - Forensic Science
  - Introduction to Microscopy
  - Medical Microbiology
  - Microscopy
  - Nanotechnology
  - Organic Chemistry
  - Oncology & Hematology
  - Psychology
  - Research Methods
  - Sports Medicine
- 
- AP Chemistry (11th or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

