

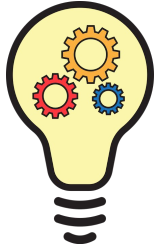
CSH Research Program

Brian Taylor - Director of STEM

btaylor@csh.k12.ny.us 631-367-6883

Jaak Raudsepp

jraudsepp@csh.k12.ny.us 631-367-6948





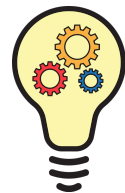
Why enroll in a Research Program?



- To encourage the spirit of curiosity
- To promote independent thought
- To foster research skills
- To provide unique learning experiences
- To stimulate interest in STEM and social science



Research Topics



Social Science

Anthropology
Behavioral Studies
Communication
Criminal Justice
Linguistics
Political Science
Psychology
Sociology

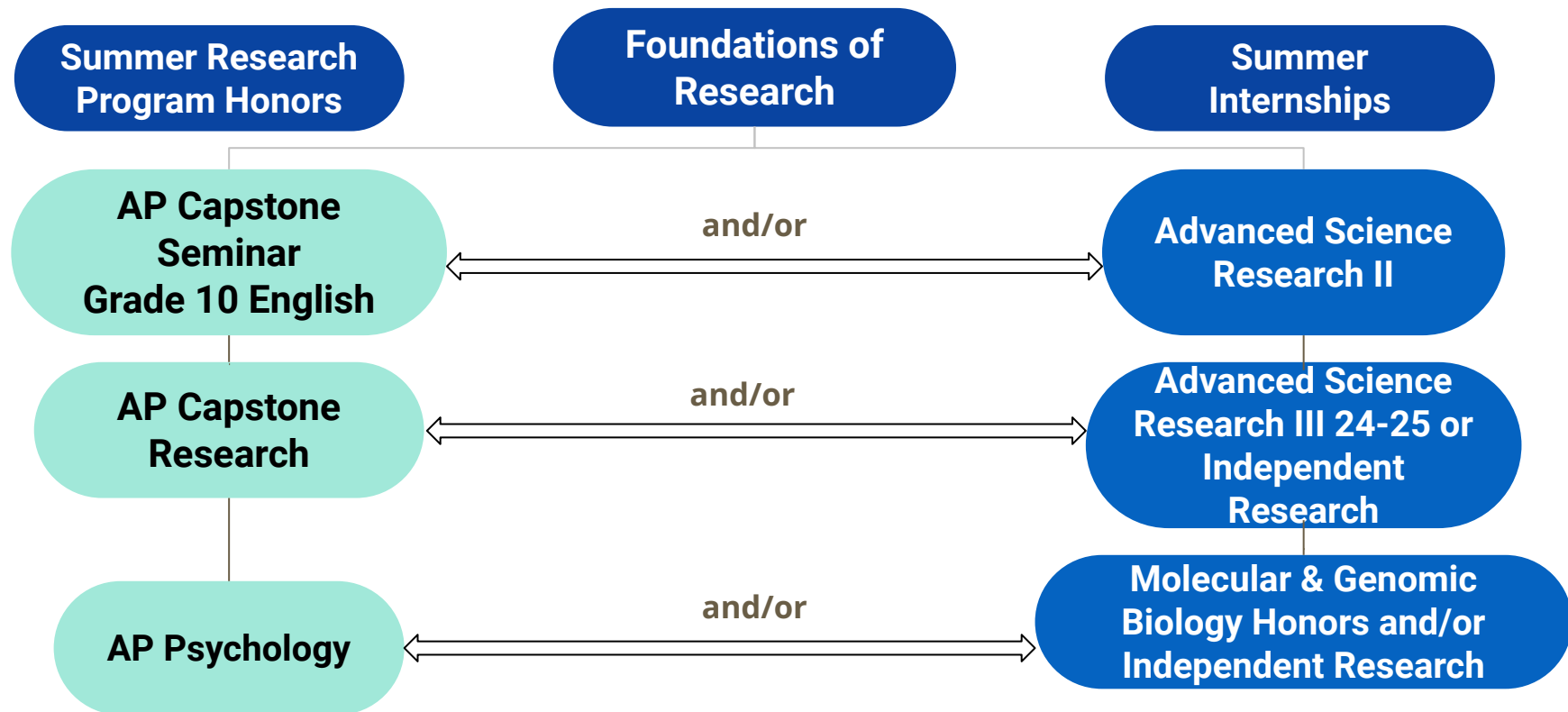


STEM Science

Biological Science
Chemistry
Computer Science
Earth Science
Engineering
Environmental Science
Mathematics
Physics

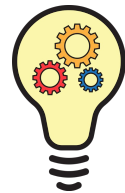


Program Progression





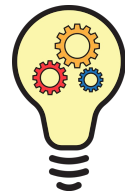
Foundations of Research Learning Goals



- Conduct bibliographic searches
- Evaluate peer-reviewed articles
- Design a social or natural science experiment
- Collect and extract data
- Apply statistical methods to draw conclusions
- Write a research paper
- Effectively communicate



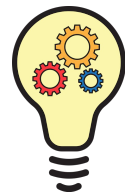
AP Seminar Learning Goals



- Explore real world problems
- Look at divergent perspectives
- Read and analyze academic content
- Work collaboratively
- Enhance writing and public speaking skills.



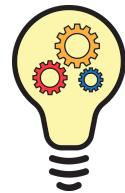
Examples of Competitions



- eCybermission
- Long Island Science Congress
- Long Island Science and Engineering Fair
- New York State Science and Engineering Fair
- Junior Science and Humanities Symposium
- Regeneron Science Talent Search
- Medical Marvels
- MIT Think
- NSPC Health Science Competition
- Psychology Fair
- SPARK Challenge
- Toshiba ExploraVision
- Long Island Mathematics Fair

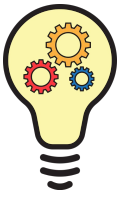


Summer Research Honors



- Open to rising 9th graders through rising 12th graders
- Held at Jr./Sr. High School
- 5 weeks- different topics in the social and natural sciences
- Must complete 60 hours to obtain 0.5 transcript credit

****Prior approved summer internships**

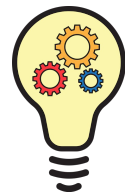


Examples of Summer Research Honors Topics

- The Ins and Outs of Social Science Studies
- Genomic Biology
- Food Computers and the Future of Agriculture
- Experience Engineering Innovation
- Data Science



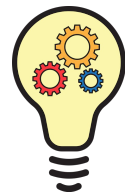
Summer Research Internships



- Structured Programs
 - NYU GSTEM
 - CSH Lab Partners for the Future
 - Stony Brook Simons Summer Research Program
- Independent Research
- Personal Connections



Research Program Accomplishments



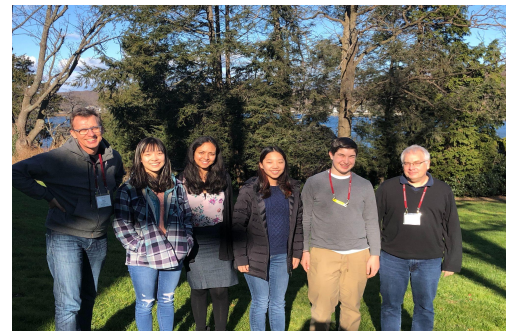
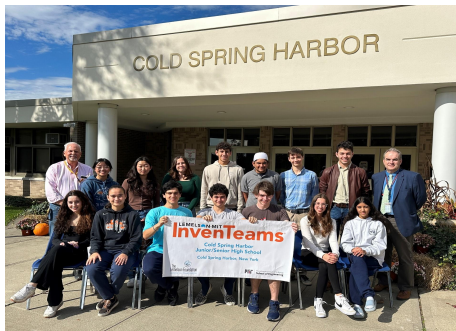
CBS News New York

Female STEM students on Long Island receive national honors for mosquito research

Newsday

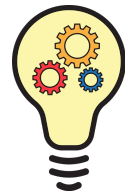
Making the Grade: Cold Spring Harbor Jr./Sr. High School team named Lemelson-MIT 'InventTeam'

The Siemens Competition in Math, Science and Technology
National Semi-Finalist





Think Tank



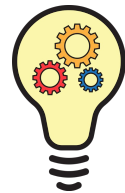
Junior High Research

Do you have a big idea to solve a big problem? If so, come to the Think Tank.
Open to all 7th and 8th grade students.

First and Third Tuesday of each month, 2:30 pm
Room S-11 (SW-2)



Questions?



Thank you!