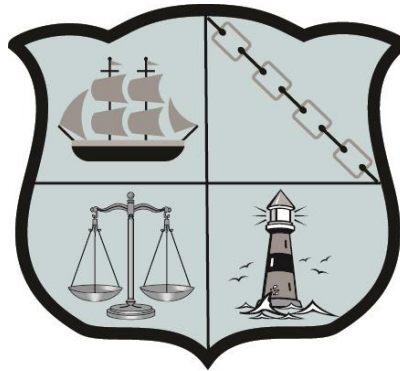


Science Research Program



Cold Spring Harbor High School

Kim Libertini- Director of STEM

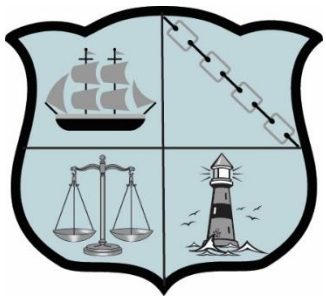
klibertini@csh.k12.ny.us 631-367-6883

Sheila Mauriello

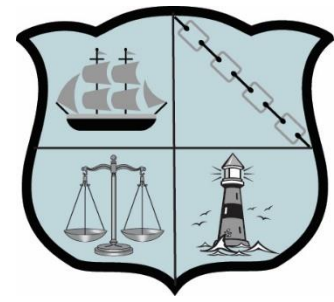
smauriello@csh.k12.ny.us 631-367-6900

Jaak Raudsepp

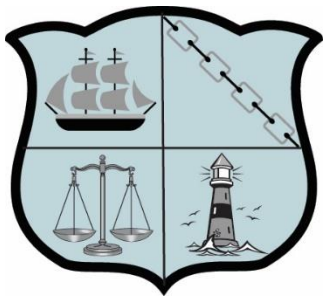
jraudsepp@csh.k12.ny.us 631-367-6948



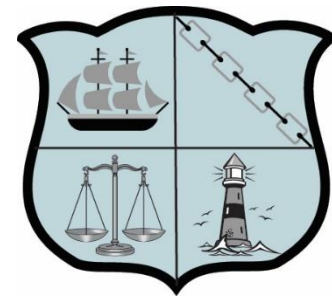
Why enroll in the Science Research Program?



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



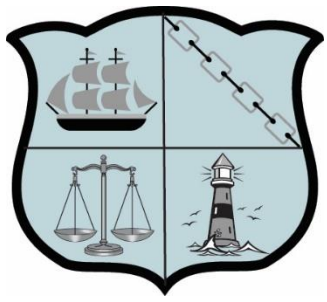
Advanced Science Research Goals and Objectives



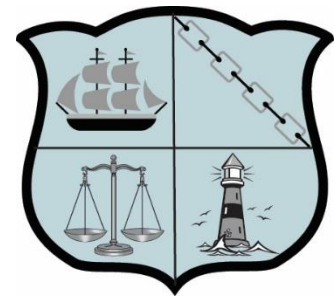
This program is designed to provide students with a broad range of research skills.

How to...

- design an experiment.
- apply statistical methods.
- write a research paper.
- effectively communicate.

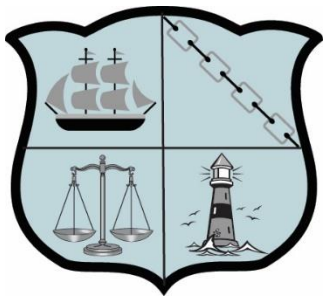


Advanced Science Research Goals and Objectives

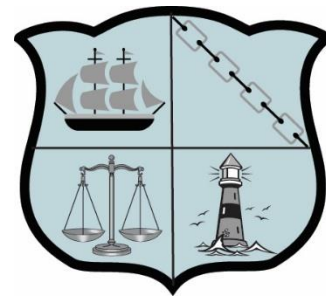


Designed for students who possess a deep committed interest and motivation in pursuing research throughout high school.

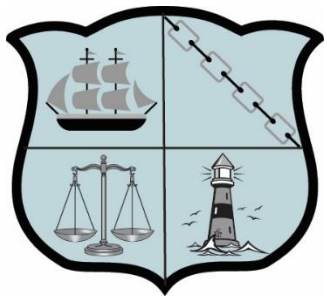
- To expose students to real-world problem solving
- To pair students with outside professionals through summer research opportunities and mentorship programs.
- To prepare students for local and national competitions.



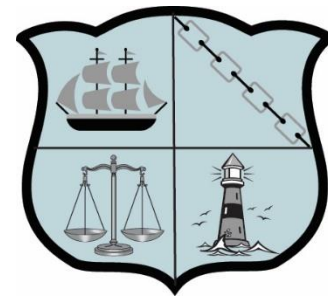
Criteria



- Successful completion of Algebra I grade 8 and enrollment in an honors science grade 9
- If enrolled in Chem Honors Grade 9 –Must take ASR I
- All are encouraged to take Summer Research
- Students that do not meet first two requirements:
 - Should take Summer Research grade 9-10
 - Enter Research Program through
 - Independent Research



Enrollment Process



- Write a *Letter of Intent*-

submitted to **Ms. Pickering** by **February 12th**.

Describe an experiment or area of research you would like to partake in.

Tell us about your interests and strengths as a student, but be honest. Do you have any areas where you would like to grow? Describe them.

- Summer Science Research Grade 8 **Strongly encouraged
- Enroll in Advanced Science Research Grade 9

Advanced Science Research Program

In House Summer Research
Summer 8/9



Advanced Science Research
Full Year, Every Day
Grade 9 Only



In House Summer Research
Summer 9/10

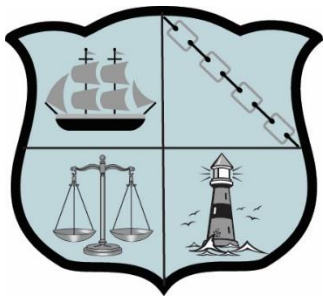


Advanced Science Research
Full Year, Every Day
Grades 10-11

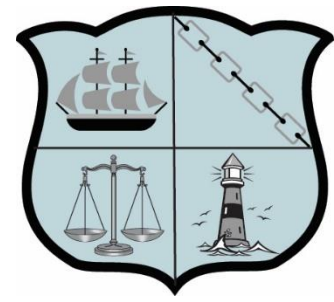


Outside Summer Research
Internship





Research Topics



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

Summer Research Internships - Local



Cold Spring Harbor Laboratory



Mount Sinai School of Medicine



Stony Brook University

THE ROCKEFELLER UNIVERSITY
Science for the benefit of humanity



Albert Einstein College of Medicine

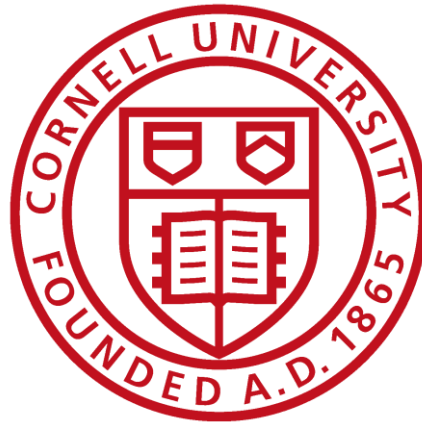


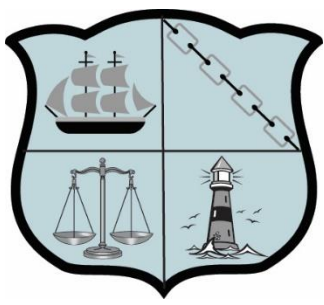
Brookhaven National Laboratory

Office of Science | U.S. Department of Energy

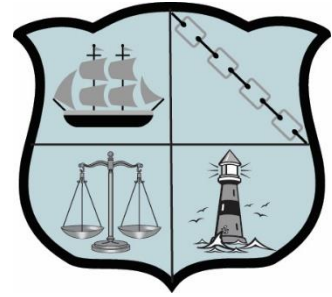


Summer Research Internships - Distant





Competitions



- eCybermission
- Gloria Barron Prize
- Google Science Fair
- Long Island Science Congress
- Long Island Science and Engineering Fair
- Medical Marvels
- MIT Think
- NSPC Health Science Competition
- SPARK Challenge
- Spellman HV Clean Tech
- Stockholm Junior Water Prize
- Toshiba ExploraVision

Questions?

Thank You