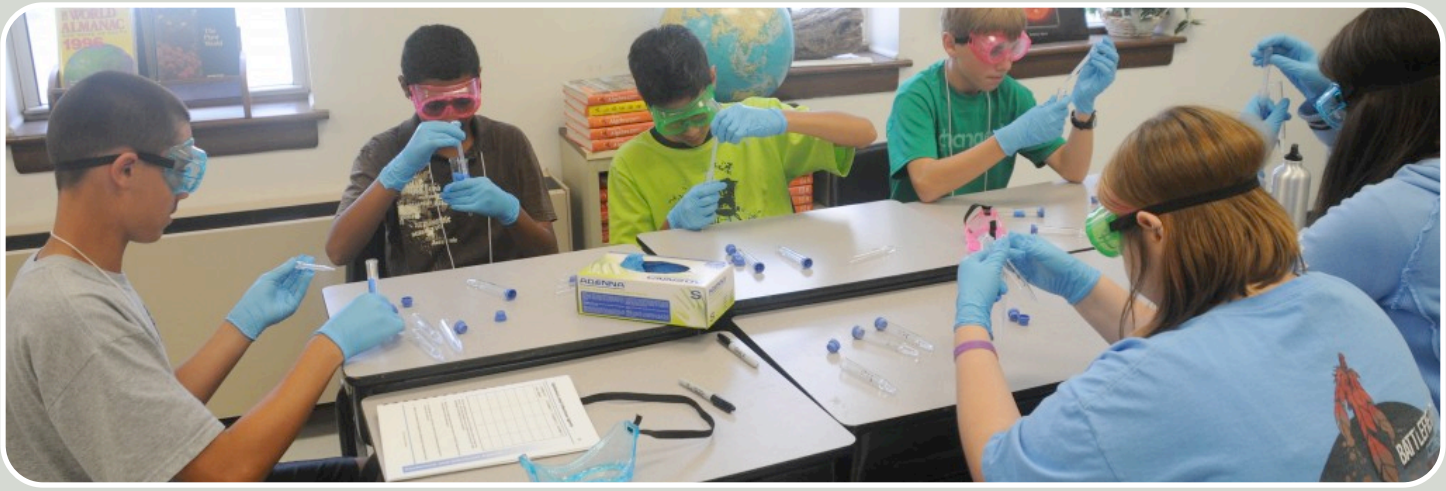
HAMPTON ROADS NAVAL STEM SUMMER ACADEMY



MISSION

To increase numbers of domestic students pursuing science, technology, engineering and mathematics (STEM) through enhancing student interest in and attitudes toward STEM.

PARTNERS

- Virginia Beach School DIvision
- Portsmouth School Division
- Norfolk School Division
- Norfolk Naval Ship Yard
- Combat Direction Systems Activity- Dam Neck
- Naval Surface Warfare Center- Carderock Division- Combatant Craft Division
- Space and Naval Warfare Systems Command- Systems Center Atlantic
- National Defense Education Program (NDEP)
- College of William & Mary

Students explore the possibilities within science, technology, engineering & math



CAMP OVERVIEW

The First Annual Hampton Roads Naval STEM Summer Academy activities include challenges related to engineering, robotics, ballistics, rocketry, electronics, biology and chemistry, and environmental science.

- 40 Students (Rising 8th graders)
- 4 Junior Mentors (High School students)
- 12 Teachers
- 12 Scientists and Engineers

ACADEMY PROFESSIONAL DEVELOPMENT

The STEM Education Alliance at the College of William and Mary provides training to all Summer Academy teachers, scientists, and engineers. The teachers, scientists, and engineers receive a minimum of 20 hours of training for professional development and effective STEM instruction including Inquiry Based Instruction, Thematic Instruction, Explicit Instruction, Cooperative Learning, and Co-Teaching Methods. To learn more, visit http://stem.wm.edu/teacher-resources/.

HISTORY

This is the first Annual Hampton Roads Naval STEM Summer Academy modeled after the NDEP Virginia Demonstration Project (VDP) Summer Academy hosted at the Naval Surface Warfare Center, Dahlgren Division since 2005. The STEM Education Alliance has worked with other school divisions around the country to create summer academies similar to the VDP Summer Academy. To learn more about summer academy activities and curriculum, visit http://stem.wm.edu/virginia-demonstration-project/summer-academies/.

FUTURE PLANS

NAVSEA SYSCOM and NDEP, in partnership with the College of William and Mary, anticipates annual summer STEM academies and school year partnerships developing throughout the Hampton Roads community.