



## Navy Specialty Camp – After Action Report

### **Purpose:**

#### Navy Teens

- Improve their sense of a “Navy teen community,” and
- Opportunities and exposure to professional and industry standards of varying educational and recreational activities that could lead to possible career paths or future leisure in the varying activities.

#### Navy CYP

- Projects are designed to strengthen installation-based Youth Programs.
- Hope that selected sites continue offering similar programming for their Navy families after the conclusion of their STEM Camp experience.

**Proposal:** Enclosed please find a Navy Teen Summer Camp Scholarship Proposal from the premiere 4-H Robotics Program in Maryland. The Western Maryland 4-H STEM group has put together a living, learning, growing 4-H STEM experience in the Garrett County, Maryland’s westernmost county. Reaching an elevation of 3,360 feet, Hoya-Crest on Backbone Mountain is the highest mountain in the state. Garrett’s natural environment – including lakes, forests, waterfalls, makes it a haven for outdoor recreational activity. This camp for the 24 Navy Youth and 4 Adult Staff will provide opportunities to enjoy the beauty of Garrett County, test their fitness on the 4-H Challenge Course, while expanding their minds with Robots, Gears, STEM challenges. The teens will get the college experience, too, while staying in the dorms and eating in the dining halls at Garrett College.

### **Plan:**

- Youth through experiential learning, will enhance their interest and engagement in science and art.
- Youth will increase their positive attitudes and aspirations toward science and engineering.
- Youth will develop science skills, abilities and learn about careers in STEM fields.
- Youth will return to their communities and apply skills learned, making a contribution through science.
- As a result of their participation and learning, youth will use the competencies, knowledge and skills practiced to contribute to the health, growth and well-being of self, family, community, nation and the world.
- Youth will develop team-building skills through hands-on tasks!

### **Participants:**

- ✓ Bahrain – 12 teens and 2 CYS Staff – delighted to host one of our OCONUS sites!
- ✓ Japan – 8 teens and 2 CYS Staff

**Activities** to support the Purpose and live up to the Proposal and meet the Goals within the Plan.

- ✓ STEM
  - Build and battle SuGo robots - LEGO SuGO Robotics Tournament - Build your - SuGObot that will push your competitor off the SuGO ring! (<http://sugobot.com/>)
  - Create sophisticated TETRIX robots to score mission points.
  - Write programs for autonomous and remote control.
  - 4-H Life of George & KEVA Planks Team Building Fun Time Laps at GEARS (rotate groups) (coding)
  - 4-H Spaero & Ollie with iPads & Straw Rockets at GEARS
  - 4-H EV3 iPad Control Projects at GEARS
  - 4-H Challenge TETRIX Robot Tournament at GEARS
  - 4-H Roller Coaster Engineering at GEARS
- ✓ Exposure to professional and industry standards:
  - Engineering Tour at Pillar in Grantsville (<http://www.pillarinnovations.com/>)
  - Engineering Tour at Garrett Container (<http://www.garrettcontainer.com/>)
  - Tour at Simon Pearce – glassblowing
  - Yoder's Tomatoes & Raspberry High Tunnels
  - Engineering Operations Tour of the Whitewater Facility
- ✓ Improve sense of Navy Teen Community:
  - Day at Maryland 4-H Environmental and Camping Center
    - Drumming Circle – (<http://drumaticinnovation.com/what-is-drum-circle>)  
A drum circle is a fun, exciting and powerful way to bring individuals together through music.
    - Challenge Course
    - Canoeing
    - Archery
    - Environmental Science – exploring animal, plant and camp environment.
    - Campfire – games/ s'mores/ team building/ group dynamics
- ✓ Variety of educational and recreational activities:
  - Recreational Activity
    - Whitewater Rafting
    - Mountain Coaster Ride
    - Hike & History of the Casselman Bridge with Naturalists
  - Introduction to Life in Western Maryland
    - Penn Alps Artisan Village
    - Mt. Fresh Producers' Local Farmer's Market
    - Yoder's Farm – high tunnel operation, General Kelly House, Heidi's Bakery, Firefly Farms
    - 4<sup>th</sup> of July Parade, Accident, MD – see picture of our Navy Camp Float!
    - 4-H Livestock Rodeo at Garrett County Fairgrounds
- ✓ IMPACT – there was a visible change in teen interaction – teambuilding success.
  - Scientific learning – thought process and skill sets to take to Bahrain and Japan
  - Workforce Readiness–exposure to campus life at Garrett College/ career options
  - Refer to above PLANS – through the varied activities listed above we have provided opportunities to meet those objectives.

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