

Afternoon Workshops: April 26th, 2013

Workshop One - "Sea Perch: A Versatile Inquiry and Design Tool"

(Robert Seltzer, Deputy Director, Research & Technology Programs, AIR-46T Naval Air Warfare Center Training Systems Division)

Description: SeaPerch is a hands-on kit-based learning tool that has a standard-based curriculum that provides an introduction to basic science and engineering concepts. It's flexibility makes it an ideal fit for tailoring to middle and high school grades that can be implemented for both in-class and club type settings. The underwater robotics curriculum was developed at MIT in collaboration with the National Sea Grant Office, sponsored by the Office of Naval Research, and managed by the Association for Unmanned Vehicle Systems International (AUVSI) Foundation. The SeaPerch Program offers opportunities for students to develop and hone skills in design, problem-solving, data analysis, teamwork, performance engineering and presentations. Accordingly, the Navy has adopted SeaPerch as a widely used multi-purpose STEM Outreach program.

Workshop Two - "Tower of Power (Pathways to STEM)"

(Abdul Siddiqui, US Army PEO STRI, PM TRADE - Engineering PM DT - DRTS Team)

Description: This workshop presentation focuses on the expectations parents, teachers and students in elementary through high school have regarding a pathway to STEM careers. The goal of the presentation is to provide guidance and promote more students enrolling in college leading to STEM Professions.

Workshop Three - "Learning Registry"

(Mick Muzac, Software Engineer, Advanced Distributed Learning Initiative)

Description: Participants of this workshop will be given the opportunity to find and identify learning resources in the Learning Registry. Methods will include searching and browsing by Common Core standards, subjects, and content types. Users will be interacting with the most current collaborative project between the Departments of Defense and Education and will be introduced to other Learning Registry projects and technologies.