

# Upcoming NPS Events

## Girls Day In - Robotics Theme at NPS and Computer Science Theme at CSUMB

Young women from three local Monterey middle schools will attend two exciting half-day events. Designed to showcase professional opportunities currently held by female researchers, the students will participate in hands-on activities, visit laboratories and engage in conversation with high school students and military officers selected for their interests in a STEM related career.

These two inaugural events are part of a pilot program being organized through a team enrolled in this year's [Leadership Monterey Peninsula](#) class. These two events will serve as a "mini "Expanding Your Horizons" conference, to help prepare for the dynamics of hosting a larger event in the Fall of 2011.

The [Expanding Your Horizons Network](#) (formerly the Math/Science Network) started in 1974 as an informal group of women scientists and educators in the San Francisco Bay Area who were concerned about low female participation in math courses. They began planning coordinated efforts to strengthen their individual programs and establish mutual support on a volunteer basis.

The Network is a non-profit membership organization of educators, scientists, mathematicians, parents, community leaders, and government and corporate representatives.

Our mission is to encourage young women to pursue science, technology, engineering and mathematics (STEM) careers. Through Expanding Your Horizons (EYH) Network programs, we provide STEM role models and hands-on activities for middle and high school girls. Our ultimate goal is to motivate girls to become innovative and creative thinkers ready to meet 21st Century challenges

POC: Dave Nickles, Institutional Advancement

## MATHCOUNTS

To secure America's global competitiveness, [MATHCOUNTS](#) inspires excellence, confidence and curiosity in U.S. middle school students through fun and challenging math programs. With the generous support of all MATHCOUNTS sponsors and volunteers, and leadership of the National Society of Professional Engineers at the local and state levels, MATHCOUNTS is providing today's students with the foundation for success in science, technology, engineering and mathematics careers.

POC: Dave Nickles, Institutional Advancement

## SeaPerch

[SeaPerch](#) is an innovative underwater robotics program that trains teachers to teach their students how to build an underwater Remotely Operated Vehicle (ROV) in an in-school or out-of-school setting. Students build the ROV from a kit comprised of low-cost, easily accessible parts, following a curriculum that teaches basic engineering and science concepts with a marine engineering theme.

Building a SeaPerch ROV teaches basic skills in ship and submarine design and encourages students to explore naval architecture and marine and ocean engineering concepts. It also teaches basic science and engineering concepts and tool safety and technical procedures. Students learn important engineering and design skills and are exposed to all the exciting careers that are possible in naval architecture and naval, ocean, and marine engineering.

<http://www.seaperch.org/index>

POC: Dave Nickles, Institutional Advancement

## First Robotics

For students aged 6-18, it's the hardest fun you'll ever have. For team mentors, coaches, and volunteers, it's the most rewarding adventure you'll ever undertake. For sponsors, it's the most enlightened investment you could ever make. [FIRST](#) is a 501(c)(3) not-for-profit organization devoted to helping young people discover and develop a passion for science, engineering, technology, and math. Founded over 20 years ago by inventor Dean Kamen, the 2009-2010 *FIRST* season attracted more than 210,000 youth and more than 90,000 mentors, coaches, and volunteers from 56 countries. The annual programs culminate in an inter national robotics competition and celebration where teams win recognition, gain self confidence, develop people and life skills, make new friends, and perhaps discover an unforeseen career path.

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