



Project Lead the Way Conference

Toyota Motor Manufacturing, Princeton, IN served as the off-site venue for the 2011 Project Lead the Way Student/Counselor Conference. Ninety students, counselors, and teachers spent the day touring the Toyota Sienna and Highlander assembly line, attending a panel discussion with Toyota engineers and employees, and participating in break-out sessions.

Conference Date: April 2012

Participants: Teachers, counselors, and students from PLTW schools.

Location: University of Southern Indiana

Cost: \$10 registration fee per attendee (includes lunch)

For more information about OVSTEM, please visit: www.swistem.org

SeaPerch Underwater Robotics Competition

The first SeaPerch Underwater Robotics Competition at USI took place on February 5, 2011 and was an overwhelming success. Nineteen teams' (19) Remotely Operated Vehicle's (ROV's) went head-to-head in this innovative underwater robotics competition. Three area teams advanced to the Indiana state finals and two area teams went on to place in the top twenty at the National SeaPerch Competition in Philadelphia, Pennsylvania on May 23-25, 2011.

Competition Date: February 4, 2012

Teacher/Student Training Session: Fall 2011

Participants: Grades 5-12

Location: University of Southern Indiana, PAC

Cost: \$25 School Registration Fee/An undetermined number of SeaPerch kits will be made available for free to qualifying schools. For more information about SeaPerch, please visit: www.seaperch.org

ASME Robotics Competition

Teams competing in the 2011 competition developed a Lego Mindstorms robot to assist in readying the base of a Martian mining site that was damaged by a small meteor. The robot was required to navigate the road to the gate of the site, harvest ore and deposit it at a refinery, clear the debris in front of the communications building on the site, and deactivate the emergency beacon, signaling the "all clear" for the recovery team. Participating in this event were 127 local sixth-twelfth grade students.

Competition Date: April 2012

Workshop: Anticipated Spring 2012

Location: University of Southern Indiana

For more information about the 2011 ASME Robotics Competition, please visit: <http://web.usi.edu/asme/>



Ohio Valley STEM Educators Conference

This one-day STEM conference brings together STEM educators and leaders from Southwestern Indiana, Southern Illinois, and Western Kentucky for workshops, presentations, and best-practice discussions. Conference strands focus on Bridging STEM Disciplines, Embracing Technology in the Classroom, Data-Driven Learning: Meeting the Standards, Utilizing Resources for Hands-on Learning, and Sharing Best Practices.

Conference Date: November 5, 2011

Participants: K-16 STEM educators

Location: University of Southern Indiana, Science and Education Centers

Cost: \$20 registration fee for active teachers

For more information about OVSTEM, please visit: www.swistem.org

Girls Only (GO) STEM! Summer Camp

Forty-eight (48) rising high school sophomores and juniors participated in this five-day 2011 Girls Only (GO) STEM! residential camp at USI. During an excursion to Holiday World/Splashin' Safari, the participants worked with several female USI STEM faculty to collect and analyze data from a variety of disciplinary perspectives (biology, chemistry, nutrition, mathematics, physics, and engineering) data. They also enjoyed field trips to Toyota Motor Manufacturing Incorporated and St. Mary's Hospital.

Date: Summer 2012

Participants: 10-11th grade girls

Location: University of Southern Indiana

Cost: Scholarships are awarded to selected individuals

For more information about GO STEM! and other camp opportunities, please visit: www.swistem.org

Tri-State Science and Engineering Fair

The Tri-State Science and Engineering Fair extends an opportunity for local students to exhibit classroom research projects and compete with other tri-state students for coveted spots to the Hoosier Science and Engineering Fair where they can earn an all-expense paid trip to the week-long Intel International Science and Engineering Fair. Last year's fair brought nearly 1600 students, parents, and teachers to USI to showcase their own projects, tour the exhibit hall and/ or take part in chemistry demonstrations.

Date: March 8-9, 2012

Participants: K-12th graders

Location: University of Southern Indiana, RFWC

Cost: Free

For more information about the Tri-State Science and Engineering Fair, please visit: www.swistem.org