MSEC Newsletter

Mathematics and Science Education Center
Appalachian State University

Summer Ventures in Science and Mathematics

The Department of Mathematical Sciences and the Mathematics and Science Education Center are proud to announce the 2015 Summer Ventures in Science and Mathematics (SUMV) Program. SUMV is a six-week summer institute designed to provide middle school teachers and community college faculty the opportunity to conduct research in these fields. During this six-week summer institute, participants design learning modules to teach STEM concepts in their courses. The two RET programs, in summers 2013 & 2014, were great successes and resulted in twelve excellent research projects and more than sixty course modules that are available for adoption at www.sumv.appstate.edu. For questions, please contact Dr. Mike Bossé, MSEC Director, at 828-262-8262 or mboss@appstate.edu.

Visit us online at
www.msec.appstate.edu
the Biology Department; visit the site at http://stem.appstate.edu.

In addition to information in the newsletter and information sent to listers, the MSEC website always has the most up-to-date information on center activities.

Another source of ASU STEM (Science, Technology, Engineering, and Mathematics) education and outreach is the website recently started by Marta Toran of the Biology Department; visit the site at http://stem.appstate.edu.

MOUNTAIN SCIENCE EXPO

The Mountain Science Expo 2015 Fall STEAM Expo Ahead will be held at the NC Arboretum in Asheville on Saturday, April 11 from 1000 a.m. - 5:00 p.m. Several Summer Ventures in Science and Math students from the Western Region will be attending to present their research. Events include science fair exhibits from Project EXPLORER, special presentations from Dawn Cusick and others as well as various organizations, businesses, institutions, scientists, and naturalists that will have booths and displays for hands-on fun! More information can be found at: http://www.ncarboretum.org/education/mountain-science-expo/.

FUTURE DOCTORS AND SCIENTISTS CAMP

A new camp will be offered July 1-2, 2015 at ASU this summer for students in Grades 9-12 who are interested in becoming doctors or scientific researchers. More information can be found along with other summer science camp listings, including Forensic Science, Anatomy & Physiology, and Forensics Anthropology offered at Appalachian State University at www.summer Venture.com.

ELEVATING MATHEMATICS FOR GRADES 4-6

Appalachian State University, through the Mathematics and Science Education Center and the Department of Mathematical Sciences, is teaming up with Lenoir-Rhyne University and East Tennessee State University (ETSU) to offer three math tournaments this April. This will be the fourth year for the event at Appalachian, but the first for both Lenoir-Rhyne and ETSU. The tournaments stress participation and fun with out-of-the-box-type thinking in both individual and team sections. All solutions will be reviewed after each section. Look for details at: http://www1.appstate.edu/~marland/HighCountryMath/HighCountryMT.html or contact Lori Tyler (tylerle@appstate.edu) for more information. Due to space limitations and a desire to make this a friendly tournament, we will be holding the number of teams to 30 at Appalachian and 20 at the other two venues. However, up to three teams (of 5) per school are invited to participate. Students are encouraged to attend and get out a bunch of awards, but this Mostly about having fun doing math!:

SUMMER VENTURES IN SCIENCE AND MATHEMATICS

Summer Ventures in Science & Math applications were due January 31, 2015 for the programs to be held this summer at Appalachian State University. Students who place First, Second, Third, or receive Honorable Mention will be invited to participate in the NC State Math Fair to be held on May 8, 2015 at the North Carolina School of Science and Mathematics in Durham. The registration fee is $8 per student, and payment must be postmarked by February 27, 2015. For more information, contact Lori Tyler (tylerle@appstate.edu) for more information.

NORTHWEST REGIONAL SCIENCE FAIR

The Mathematics and Science Education Center will once again be host this year’s North Carolina Region 7 Science Fair on December 16, 2014. Student science projects from Grades 3-12 were on display in the new College of Education building on the ASU campus. All student projects are required to have a teacher, with almost all of the projects from elementary level projects, 159 middle school level projects and 33 high school level projects participated in the competition. In addition to the regional science fair, there were 61 papers presented by students in the afternoon Student Academy of Science Competition. Under the able direction of Avery County High School science teacher Coleman Bailey and Sue Purser, a large number of professional researchers were on hand to share program information with their sophomores and juniors each year. Summer Ventures is a cost-free state funded program coordinated through the North Carolina Science and Mathematics which provides an opportunity for students to design and conduct research for four weeks each summer. Lori Tyler, ASU Director is available for school visits and recruiting beginning in October. For more information, please visit: www.summerventures.org.