NOTES FROM THE DIRECTOR

We have a variety of workshops/institutes being offered this summer and we hope many of you will take advantage of them. There are fees for the MELT and TI institutes, but all science programs are free. For detailed information on the workshops and institutes mentioned in the newsletter, visit www.msec.appstate.edu. Boone is a pleasant place to be in the summer, come and spend some time with us!

Phil Johnson

Contributors to the Spring 2013 newsletter:

Mike Bossé, Amy Bradley, Debbie Crocker, Vickey Isaacs, Phil Johnson, Anita Kitchens, Betty Long, Lori Tyler, Mike Bossé, Amy Bradley, Debbie Crocker, Vickey Isaacs, Administrative Assistant

UPCOMING 2013 DATES TO REMEMBER (IN ADDITION TO THOSE HIGHLIGHTED ON PAGE 1):

July 8-11: ASU Math Camp

July 8-12: Middle School Science Workshop, “Exploring STEM Inside and Out,” led by Amy Bradley at the Patterson Science Center in Lenoir.

July 15-18: ASU Math Camp at Discovery Place in Charlotte

October: Summer Ventures in Science & Math applications online at www.summerventures.org (Deadline: January 31, 2014)

October 30: NCCTM Fall Leadership Seminar, Greensboro

October 31- November 1: NCCTM State Mathematics Conference, Greensboro

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Melt Professional Development Institutes

Eight weeklong professional development institutes for mathematics will be offered on the ASU campus this summer. The weeks of the institutes are June 17-21, June 24-28, July 8-12, and July 15-19. The institutes are offered in cooperation with Appalachian State University’s Department of Mathematical Sciences, the Mathematics and Science Education Center and the Mathematics Education Leadership Institute (MELT) Program. All of the institutes are focused on the Common Core State Standards for Mathematics (CCSSM). The fee for each institute is $325. Participants will receive 3 CEU credits for an institute. If an institute is taken for graduate credit, the usual graduate fees will also apply. Registration for all institutes is available now. A registration form and descriptions of the institutes can be found on the MELT website at www.melt.appstate.edu. The dates and institutes for this summer are:

June 17-21: Geometry in the Common Core and Navigating Course 1 in the Mathematics Common Core

June 24-28: Algebra and Functions in the Common Core and Navigating Course 2 in the Mathematics Common Core

July 8-12: Navigating Course 3 in the Mathematics Common Core and Mathematical Modeling through Data and Statistics

July 15-19: Building Mathematical Thinkers through Assessment and Inquiry (K-6) and Building Mathematical Thinkers through Assessment and Inquiry (7-12)

If you have questions about 2013 MELT institutes, please contact Dr. Mike Bossé, Director of MELT, at 828-262-2862 or bossemj@appstate.edu.

Mathematics and Science Education Center
APPALACHIAN STATE UNIVERSITY

SUMMER 2013

Professional Development

Varied professional development opportunities in mathematics and science will be available during the summer of 2013. All the science workshops and institutes are free, but there will be a fee for the mathematics programs. Details of the workshops are available on our website. Programs are at ASU unless otherwise indicated.


June 18-20: Advanced Biology Institute, “Teaching College Biology in High School,” led by Marilyn Pendley and Robbie Carraghan.


June 24-28: Middle School Science Workshop, “Bridging the Gap: What Do Biotechnology and Agriculture Have in Common?” led by Amy Bradley at the Patterson Science Center in Lenoir.

July 8-12: Middle School Science Workshop, “Exploring STEM: Inside and Out,” led by Amy Bradley at the Patterson Science Center in Lenoir.

Look for the courses in Boone, NC! See you in Boone this summer! The Blue Ridge Mountains are beautiful in June, led by renowned T3 instructors, the T3 Workshops are an exceptional hands-on, subject-specific, networking, sharing and learning experience.

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Unfortunately, a family emergency forced the cancellation of April 11 at 6:00. The dates, presenters, and planned topics were:


2. Discussion on the role of mathematics in modern technology. Presented by Mark Smith, mathematician. Scheduled for room 135A in the new Reich College of Science on April 12.


Seminars are held in room 124A in the new Reich College of Science, and open to everyone. Each seminar offers license renewal credits (0.2 per seminar). Seminars are free and offer continued education credits.

The last two seminars of the 2011-2012 series were part of this year's North Carolina Science Festival. A one-day Science Expo was held on the ASU campus on Wednesday, April 10 as a part of the North Carolina Science Festival. The main Expo event was in the Holmes Convocation Center from 9:00am-2:00pm with other stand-alone events in Plemmons Student Union and other places on campus. A weekday was chosen so that schools could come to campus for a field trip and have their students experience some awesome science activities. Approximately 1700 students participated in the day's activities. When information about next year's Science Festival becomes available, it will be posted on our website.

**NORTH CAROLINA SCIENCE FESTIVAL**

April 3-21, 2013

A one-day Science Expo was held on the ASU campus on Wednesday, April 10 as a part of the North Carolina Science Festival. The main Expo event was in the Holmes Convocation Center from 9:00am-2:00pm with other stand-alone events in Plemmons Student Union and other places on campus. A weekday was chosen so that schools could come to campus for a field trip and have their students experience some awesome science activities. Approximately 1700 students participated in the day's activities. When information about next year's Science Festival becomes available, it will be posted on our website.

**ASU MATH CONTEST WINNERS**

The Department of Mathematical Sciences hosted a North Carolina Math Contest for Algebra I/Common Core Math 1 and Comprehensive divisions on March 20, 2013. Ms. Loni Tyler, Director of the Center's Summer Ventures in Science and Mathematics program, coordinated the contest. Providence Day School from Charlotte was the top school in each contest. Two area schools came in second: Grandview Middle School in Hickory in Algebra I/Common Core Math 1 and Avery County High School in the Comprehensive division. Other top schools and qualifiers for the NCCTM State Mathematics Contest (at NCSMM) and for the next round of competition in Algebra I/Common Core Math 1 (at UNCA) are posted at http://mathsci.appstate.edu/news-events/math-contest.

**SPRING SCIENCE SEMINARS**

The last two seminars of the 2011-2012 series were part of this year’s North Carolina Science Festival. The seminars are open to everyone, are free, and offer license renewal credits (0.2 per seminar) to teachers. Seminars are held in room 124A in the new Reich College of Education Building from 6:00-8:00 p.m. with refreshments at 6:00. The dates, presenters, and planned topics were:

April 11 - Jim Houser (Technology), Alternative Transportation, What Is the Best Route?

April 18 - Jeff Goodman (Curriculum and Instruction), Revolutionary Paradigm Shifts in Science

Unfortunately, a family emergency forced the cancellation of Jeff’s April 18 seminar.

We will soon be working on next year’s science seminar series; check our website for the next seminars starting in September of 2013.

**NORTHWEST REGIONAL SCIENCE FAIR**

Despite inclement weather that forced postponement for a week, the Northwest Region of North Carolina had numerous outstanding projects on exhibit on Saturday, February 23, 2013 at the regional science fair at the Stone Center in the Wilkes County Schools Office Complex in North Wilkesboro. A large number of school personnel worked to assure the success of the fair and judges consisted of teachers, professors, and scientists and engineers from industry. Participants from our region who went on to the State Science Fair at Meredith College on March 15-16, 2013 did really well in representing our district. The list of State Fair winners is posted at http://www.ncsciencefair.org.

**The 16th Annual Appalachian State University Math Camp in Boone**

July 8-11, 2013

The ASU Math Camp is the place to be! For all rising 6th through 12th graders. For those who love it, hate it, can’t seem to get a handle on it. ALL... come to math camp. Believe it or not... roughly half of the participants in Camp come from outside of Boone! So we have travel suggestions. The Marriott Courtyard,The Super 8, and the KOA Campground offer discounts for Math Camp, or rent a cabin in the mountains! It is a perfect opportunity to vacation as a family in the morning & afternoon and go to Math Camp in the evening M,T,W,Th.

Information, Register, Pictures online www.camps.appstate.edu.
Download a poster for your school to advertise at www.appstate.edu.