



Transforming East Alabama Mathematics

The East Alabama Partnership for the Improvement of Mathematics Education

Fourth Annual TEAM-Math Partnership Conference
Kellogg Conference Center
Tuskegee University
August 24-25, 2007

Breakout Sessions: Exemplary Teaching Practices

Session I: Saturday, August 25, 10:50AM – 11:50AM

- **Title:** *Motivating Students in Math: Lessons Learned and Tools to Use*
Facilitator: Melissa Gilbert, Santa Clara University, Santa Clara, California
Location: Ballroom A

Abstract: The first half of this session focuses on motivation-related analyses with TEAM-Math student and teacher data that highlight the importance of participating teachers' beliefs and practices for student motivation and achievement. The second half of this session focuses on TARGETTS, a lesson planning and analysis tool that incorporates motivational considerations into NCTM *Standards*-based practices.

- **Title:** *How do I assess this?*
Facilitator: Lora Joseph, Department of Curriculum & Teaching, Auburn University, Auburn, Alabama
Location: Meeting Room B

Abstract: (Grades 8-12) This session will look at how to assess student work. Participants will work a sample task, then develop an item-specific rubric for the task. Participants will also grade sample student responses and discuss what scores they gave.

- **Title:** *Meet the Wumps*
Facilitator: Gayle Herrington, Department of Teacher Education, Columbus State University, Columbus, Georgia
Location: Meeting Room D-E

Abstract: Members of the Wump family have similar features that others do not. Compare, scale, shrink and stretch to identify their "Wump-ness".

- **Title:** *Making Real World Connections with TI-Nspire*
Facilitator: Jennifer Brewer, Educational Products Coach, Texas Instruments Incorporated, Dallas, Texas
Location: Meeting Rooms F-G

Abstract: In a hands-on session, participants will learn a new way to introduce concepts in mathematics and give students interactive ways to visualize relationships and patterns, and express critical thinking. TI-Nspire technology empowers students to learn across different visual representations of a problem, to develop a deeper understanding of mathematical concepts. When students can see the math in different ways, they are able to broaden their critical thinking skills and discover meaningful real-world connections.

Session II: Saturday, August 25, 12:00PM – 1:00PM

Topics and room assignments as above for the first three breakout sessions.

- **Title:** *Building Blocks for Future Success with the TI-10 and TI-15 Explorer*
Facilitator: Jennifer Brewer, Educational Products Coach, Texas Instruments Incorporated, Dallas, Texas
Location: Meeting Rooms F-G

Abstract: From the kitchen table to the playground, children are intrigued by their world. The TI-10 and TI-15 Explorer are pedagogically sound tools that help students make connections between classroom learning and real-world situations. When the TI-10 and TI-15 Explorer are combined with traditional learning tools, they help students explore their world through investigation and experimentation, and help them develop skills in addition, subtraction, powers, and answer format.