

## **K-3 STEM Kairos: Engineering Everywhere**

ITTIP at Longwood University has received a Mathematics and Science Partnership grant to provide STEM professional development for K-3 mathematics and science teachers in partnering school divisions.

Activities of the grant will include:

- 5-day professional development institute in Summer 2011\* focused on the integration of science, technology, engineering and mathematics through:
  - Inquiry Based Learning (IBL), Problem Based Learning (PBL), Understanding by Design (UbD), the 5e learning cycle
  - Training on software and probeware to integrate into a STEM unit
  - Lesson plan development using UbD as a template to design a STEM unit of instruction
- Online training during the school year
- Classroom follow-up during the school year by ITTIP faculty
- STEM Saturday summit in May 2012

Teachers will receive:

- \$750 stipend upon completion of year-long activities
- 75 recertification points upon completion of year-long activities
- Software and probeware
- Resources for IBL, PBL, UbD and 5e strategies
- Web publication of STEM units for statewide distribution

Grades K-3 mathematics and science teachers from the following school divisions are eligible to participate in this opportunity: Amelia, Brunswick, Charlotte, Colonial Heights, Cumberland, Danville, Dinwiddie, Halifax, Hopewell, Lunenburg, Martinsville, Mecklenburg, Nottoway, Pittsylvania, Prince Edward, and Sussex.

Two or more teachers from the same school are encouraged to attend as a team. If you would like to register for this opportunity, please complete the registration link at <http://www.surveymonkey.com/s/XSS2GQ9>. The registration form will ask you to indicate who else is attending from your school.

\*There are 2 cohorts. One institute will be held June 6-10, 2011 at the Danville Science Center. The other will be held July 25-29, 2011 at a location TBD closer to central Virginia. Both institutes will be from 8:30 am – 3:30 pm and lunch will be provided. You will attend only one of these institutes and must indicate your choice on the registration form. Lodging and travel is not provided through the grant for these institutes.

