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### **Integrating Nature of Science and Physical Science in Rural Schools (INSPIRS)**

Longwood Institute for Teaching through Technology and Innovative Practices (ITTIP) has received a Mathematics and Science Partnership (MSP) grant to provide Nature of Science (NoS) and Physical Science (PS) professional development for middle and high school Physical Science teachers in partnering school divisions. **FIRST COME FIRST SERVED. ONLY TWENTY TEACHERS PLEASE.**

Activities of INSPIRS will include:

- 5-day professional development institute in the Summer of 2012 focused on the integration of NoS and PS 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 NoS and PS unit
  - Lesson plan development using UbD as a template to design a Physical Science unit of instruction
- Online resources and support during the school year using Moodle
- Classroom follow-up during the school year by ITTIP faculty
- Final summit of two instructional units created by teachers on one Saturday in the last week of May or early June 2013

Twenty teachers will receive:

- \$600 stipend upon completion of year-long activities (\$300 for attending all five days in summer, \$300 for completing two activities and the Summit)
- 75 recertification points upon completion of year-long activities
- Software and Probeware
- Resources for IBL, PBL, UbD, and 5e Strategies
- Web publication of NoS and PS units for statewide distribution

Physical Science teachers from the following school divisions are eligible to participate in this opportunity: **Amelia, Brunswick, Charlotte, Cumberland, Danville, Dinwiddie, Halifax, Mecklenburg, Patrick, and Pittsylvania.**

Two or more teachers from the same school are encouraged to attend as a team.

The first INSPIRS institute will be held June 11-15, 2012 in Halifax County. Some funds are available for travel and lodging upon request (for teacher teams traveling more than 60 miles one way) REGISTER at <http://www.surveymonkey.com/s/INSPIRS>. Deadline to register is April 30, 2012.

