A professional development opportunity for science and mathematics teachers associated with an NSF funded research project intended to improve the scientific understanding of the impacts of severe solar storms on our power distribution system.

**Benefits**
- PDH credits
- A $500 summer stipend and $250 follow-up stipend
- Collaboration with UIUC faculty and staff and with other teachers
- A kit of materials connected to the science and mathematics.

**Responsibilities**
- Attend and participate in 5 workshop days (35 hours), July 23 - July 27
- Complete pre and post online surveys (~2 hours) and subject matter tests
- Plan and participate in a curriculum collaboration activity for your classroom
- Implement activities from the summer workshops in your classroom

Workshop participants will:
- Tinker
- Wonder
- Explore magnets and the relationships between electricity and magnetism
- Study space weather and the dynamic sun
- Learn about our electricity delivery system
- Investigate the risks geomagnetically induced currents pose to the power grid
- Collect and analyze data
- Make mathematical models
- Create standards aligned curriculum materials
- Communicate
- Collaborate

Preference given to teacher teams from the same school.

**Dates:** Monday, July 23 through Friday, July 27  
**Times:** 8:30 to 3:30 each day  
**Place:** Office for Mathematics, Science, and Technology Education, University of Illinois  
505 E. Green, Room 201, Champaign, IL 61820  
**Phone:** 217-244-1366

This work is supported by the National Science Foundation under Award Number NSF 15-20864.