

Workshop Highlights

Our aim is to help provide Mississippi teachers with the knowledge and resources needed to make their physical science classes more effective. Workshop activities are designed to be transferable to the middle school classroom.

The workshop will follow a hands-on, active learning approach, including demonstrations and laboratory activities. The daily activities include the following:

- Discussing numerous physical science concepts.
- Documenting student difficulties.
- Solving conceptual & analytical problems.
- Identifying related resources.
- Planning teaching strategies.

Physical Science Topics

- *Velocity, displacement*
- *Forces, momentum, Newton's Laws*
- *Work and conservation of energy*
- *Electricity and circuits*
- *Magnetism*
- *Properties of waves*
- *Properties of matter*
- *Energy fundamentals & pollution*
- *Fossil fuels and renewable sources*
- *Radiation and nuclear energy*
- *Conservation & global effects*

Our goal is to ensure that Mississippi Teachers are knowledgeable and that they deliver the best instruction in their field.

Teacher Training in the Physical Sciences (TTIPS08)

Hands-on workshop for Physical Science Teachers covering the topics that are regularly taught in year long middle school science course.

Each teacher:

- Earns a stipend of \$1760.
- Receives \$1000 worth of laboratory supplies and workshop materials.
- Participates in 22 days of workshop activities, including attending the Mississippi Science Teacher Association fall 2008 conference.
- May earn CEU's or graduate college credit.

Contact Information

Anastasia Elder
Mississippi State University
P.O. Box 9727
Phone (662) 325-0387
Fax (662) 325-3263
Email: aelder@colled.msstate.edu
or dunne@ra.msstate.edu

<http://physics.msstate.edu/TTIPS08>

Mississippi State
UNIVERSITY

Summer Workshop

June 2, 2008 – June 27, 2008

*Department of
Counseling, Educational
Psychology, and Special
Education
&
Department of
Physics and
Astronomy*



**No Child
LEFT BEHIND**



Project Personnel: Dr. Anastasia Elder
Dr. Jim Dunne