

Summer 2010 Workshop
Science Teachers – Grades 7 – 12



Climate Change ... Global Impact

Global Climate models truly integrate science content knowledge from virtually every science discipline. Climate science is one of the most important areas of scientific investigation because the science of climate and climate change is inextricably linked to both public policy and economics.

This **teacher workshop** will

- strengthen teacher content knowledge, with an emphasis on using simple experiments to collect first-hand data and use that data to develop a basic understanding of the climate systems on earth.
- provide an inquiry- focused exploration of the underlying science themes involved in climate models, such as energy transfer through physical and living systems, atmospheric and oceanographic systems, and impact of climate on ecosystem function and stability.
- focus on the challenge of dealing with scientific uncertainty, on-going scientific research and the validity of projections.
- implement the standards of Scientific Inquiry and Scientific Ways of Knowing.
- demonstrate the importance of students being able to integrate science knowledge within a complex setting such as climate and life on earth.
- investigate the science of alternative energy sources at both the local and global scale.

Workshop time and location

- Program will take place in Athens
- Program will run for two non-consecutive 4-day week sessions.
 - o Week one: June 14 – 17, 2010 from 8 am to 4 pm
 - o Week two: July 19 – 22, 2010 from 8 am to 4 pm



Teacher Participants will receive:

- Participants may apply for 3 grad credits at the reduced rate of \$125/credit
- Participants who complete the two-week program will receive a \$500 stipend
- Participants will receive approximately \$400 worth of instructional supplies and resource books
- Light refreshments will be provided

Climate Change ... Global Impact Application
Two Week Workshop - Summer 2010
June 14-17 & July 19-22
Program Facilitators: Drs. Art Trese and Mark Lucas

Applicant's Name: _____

Applicant's School: _____

School District: _____ County _____

School phone # _____

I am a(an) ____ (grade-level) ____ science teacher ____ intervention specialist for science

Email address: _____

Home Mailing Address: _____

City _____ State _____ ZIP _____

Home Phone _____

(Note: all program communications will be done through your email address and your home mailing address.)

Applications accepted on a first come first serve bases. Once workshop is full we will establish a 'waiting list'.

Fax, email or mail applications to Lori Spencer, SEOCEMS Administrative Assistant.

Fax: 1-740-593-9698

Email stumpl@ohio.edu

Mailing Address:

Lori Spencer

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