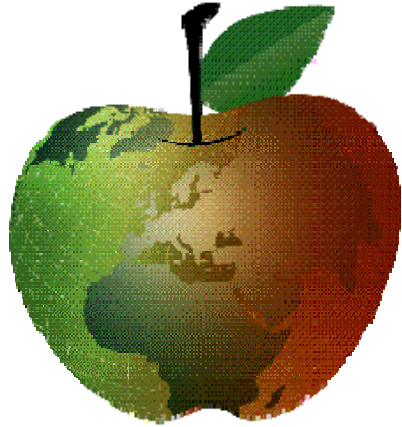


ESST - 1

Earth System Science for Teachers



Professional Development in Earth Science Teaching for Pre- and In-service Teachers

Partnership Schools:

University of New Hampshire
Dillard University
Elizabeth City State University
Pennsylvania State University



ESST is supported by a grant
from the National Science
Foundation (#0525433).

Workshop Description

Earth System Science for Teachers is specifically designed for in-service and pre-service teachers of Earth Science. The course will be held August 3 - 11, 2009 at the Brandywine campus of the Pennsylvania State University in Media, PA. All instruction is by PSU faculty. The course will meet from 9am - 5pm every day and there will be several mandatory evening sessions. There will also be field trips to areas of geologic interest during the week. The program features:

- 1) Current topics in planetary, atmospheric, geologic and hydrologic sciences. Linkages and interactions between subject areas will be emphasized; content knowledge is aligned with Pennsylvania state standards of learning;
- 2) Inquiry-based approaches to teaching will be discussed and modeled. The residential portion will be preceded by an on-line component devoted to reviewing scientific content and working with natural data sets that are available electronically;
- 3) A year long follow-up program where PSU faculty and graduate students partner with in-service teachers in their classrooms;
- 4) Earn Pennsylvania Act 48 credits OR PSU graduate credits towards a degree, while building portfolio towards Highly Qualified Teacher status;
- 5) Generous stipend/tuition subsidy for participation. Single-occupancy hotel rooms are available for participants.

Application materials are available at:
<http://www.geosc.psu.edu/2009ESST>
Teams of teachers from schools or districts
are particularly encouraged to apply.



PENNSTATE



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Or visit our website at

<http://www.geosc.psu.edu/2009ESST>