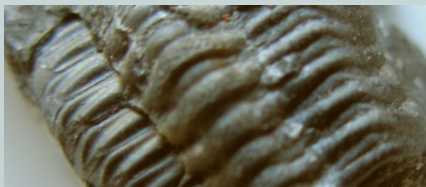


Fossil Finders
Professional Development
August 9th-14th, 2009
at Cornell University,
Ithaca, NY

Classrooms teachers at the 5th through 9th grade levels are invited to apply to a summer professional development program that will include the following content:

- *Earth's history and geological time*
- *Ecology and environmental change*
- *Diversity and adaptation of organisms*
- *Populations and extinction*
- *Nature of science and scientific inquiry*
- **Instruction, development and implementation of activities using scientific inquiry**
- **Strategies for reaching under-represented student groups and English language learners**
- **Collaboration and fieldwork with fellow educators, educational researchers and paleontologists**



Program Requirements:

- Participate in two 5-day workshops in Ithaca, NY (over 2 summers)
- Implement the Fossil Finders curriculum unit
- Interact with other participants and staff in an on-line support network
- Revise lessons and provide feedback on curriculum unit
- Participate in a research study related to the implementation of Fossil Finders curriculum materials



Compensation:

- Stipend
 - *Summer workshop participation (\$750)*
 - *Online forum interaction and submittal of curriculum revisions (\$300)*
- Room and Board provided
- Assistance with travel expenses
- Use of laptop computer during project
- Possibility of earning continuing education units
- Digital camera



Research Study Components...

Teachers participating in Fossil Finders will also be part of a research study on the implementation of inquiry in their classrooms. Participation will include:

- Pilot-testing the 2-3 week Fossil Finders curriculum unit in their classrooms during the following two school years.
- Classroom observations and interviews of teachers and students by educational researchers
- An analysis of the impact of this professional development on enhancing knowledge and views of evolution, geology, inquiry and the nature of science
- Web-based interaction in an online support forum with other program participants and professional development staff

Applications from 5th through 9th grade science teachers will be accepted beginning November 1 for a limited number of spaces in the Fossil Finders summer 2009 professional development workshop. Teachers from schools serving diverse and under-represented student groups are strongly encouraged to apply. For more information or an application visit: www.fossilfinders.org

**Email completed applications to:
Dr. Barbara Crawford at
bac45@cornell.edu**

*Applications due by March 2nd, 2009
Acceptance notification by April 1st, 2009*



**Cornell University
Department of Education**

Dr. Barbara Crawford
Associate Professor Science Education
407 Kennedy Hall • Ithaca, NY 14853 •
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The Department of Education at Cornell University emphasizes field-based study in educational settings where social, economic, and political pressures interact to help shape policies and practices.

<http://www.education.cornell.edu>



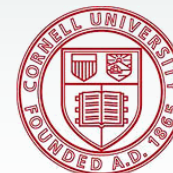
Dr. Warren Allmon, Director
Dr. Robert Ross, Director of Education
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The Paleontological Research Institution
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phone: 607.273.6623 • fax: 607.273.6620

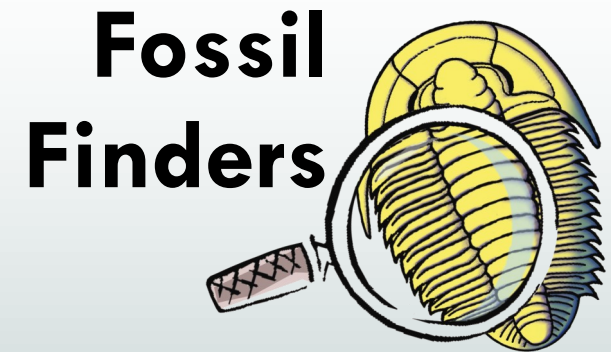
<http://www.priweb.org>
<http://www.museumoftheearth.org>



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Cornell University



www.fossilfinders.org

**A professional
development project for
fifth through ninth grade
teachers using fossils to
engage students in learning
evolutionary concepts,
geology, and scientific
inquiry**

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