



2008 PROM/SE Fall Science Institute for K-12 teachers

“More on the Evolution of Life”

November 21, 2008

December 12, 2008

Building on the “Origin and Evolution of Life” spring institute, participants will dig deeper into evolution with Dr. Gregory Forbes.

Topics include:

Evidence In Support of Evolution

Designed to provide empirical evidence that scientific evolution has occurred in the past and is continuing to this day. The presentation emphasizes the nature of science in order to establish an understanding of the context in which evolution is studied and should be taught.

Responses to Anti-Evolutionist’s Claims

Designed to provide teachers with scientifically based responses to the most commonly made claims against scientific evolution and its instruction.

Why Should We Teach and Why Should Our Students Study Evolution?

Designed as an introduction to applications of evolutionary theory to everyday life. Utilitarian applications of evolutionary theory relating to agriculture, understanding and treating disease, pharmaceutical development, environmental conservation, biotechnology, human behavior, market dynamics and understanding human physiology.

Evolution Education Resources

Designed as an introduction to a variety of websites that provide complete lesson plans along with downloadable instructional materials including exercises and activities for the laboratory, field, classroom and home. In addition to on-line resources, participants will also be introduced to the numerous printed and software resources available.



Institute Details

How do you explain change on both a big and small scale to your students?

“More on the Evolution of Life” will continue the theme of physical and organic change through time, as well as devote time to issues that teachers face in teaching organic evolution.

The concepts of physical and biological change run through the entire K-12 science curriculum. Change is a fundamental property of scientific research and of the process of science itself. Understanding change is applicable to all areas and levels of science; therefore, it is especially relevant to all teachers of science, elementary as much as secondary.

Courses will use an inquiry-based “how do we know what we know” approach.

Audience: Calhoun ISD and Ingham ISD PROM/SE Districts and K-12 science teachers and administrators. Principals, curriculum directors, and superintendents are invited. *Attendance at a previous institute is not required to attend this session.*

Cost: FREE, but registration is required. Light breakfast and lunch provided daily on site.

SB-CEUs: Approximately 1.3 state board CEUs have been requested for this institute. Participants must attend the entire 2 day session.

Location: Calhoun Area Career Center, Battle Creek, Michigan

Daily Schedule:

Registration: 7:30-8:00 am and continental breakfast
Program Begins: 8:00 am
Program Ends: 3:30 pm

Registration: Registration limited to 75 participants per session. Participants must attend the entire 2 day session.

Register by October 30. A form is attached. Send to your PROM/SE site coordinator.

PROM/SE is supported by the National Science Foundation under EHR-0314866
www.promse.msu.edu



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All sessions held at the Calhoun Area Career Center, Battle Creek, Michigan

Please register by Oct 30 by sending this form to your PROM/SE site coordinator:

Calhoun ISD: Mary Gehrig, GehrigM@calhounisd.org, phone (269) 789-2471, fax (269) 789-9584

Ingham ISD: Wendy Robinson, WROBINSO@inghamisd.org, phone (517) 244-1281, fax (517) 244-1154

Name: _____ PROM/SE Associate

School: _____

District: _____

School Mailing address: _____

City _____ State _____ Zip code _____

Your summer mailing address/home address: _____

City _____ State _____ Zip code _____

Home Telephone: _____

Email address: _____

2nd Email address: _____

Grade level(s): _____

Course(s) taught: _____

Please specify any special dietary needs for institute meals: _____