

Name: TXESS Revolution Summer Institute A
Date: June 15 (4:30 PM) – June 27 (1 PM), 2008
Location: University of Texas at Austin
Number of Participant Spaces: 25
Description:

Summer Institutes A (2008) and B (2009) are designed to be complementary. Summer A focuses on Earth Science By Design and B is the Petroleum Science and Technology Institute.

- Orientation: June 15, 4:30 – 6:00 PM.
- Week 1. June 16 – June 20. Week one of Summer Institute A will involve training in Earth Science by Design (ESBD), an innovative program developed by TERC and the American Geological Institute with NSF funding. ESBD is organized around a small set of 25 ideas that scientists and educators have identified as the "big ideas". These concepts will serve as the organizing framework for the resources and units that participants will create. There will be a big emphasis on using space-age technology and visualization tools. We (Kathy Ellins, Hilary Olson, Eleanor Snow and Marsha Willis) will participate in the ESBD training so that we can integrate elements of this program into future PDAs. Harold Williams and Carla McAuliffe will lead the ESBD team. Sample units are available at http://esbd.terc.edu/about/sample_unit.cfm.
- Weekend. June 21 – June 22. Participants will have the weekend off to allow those who want to travel home to do so. We are planning an optional fun, educational field trip on Saturday for participants (and their families) who stay in Austin. *Please note that the project will not cover transportation costs for participants to travel home or for families to travel to Austin to visit.*
- Week 21. June 23 – June 27. The second week of Summer Institute A will involve a mix of local field trips, inquiry-based learning activities and opportunities to put into practice the ESBD training. Participants will be able to develop their own special Earth science lessons, or adapt existing ones using content from PDAs 1 and 2.

Responsibilities: Participants are responsible for attending each day of the training, developing activities to implement in their own classrooms and conducting outreach in connection with the summer institute in the following academic year. Requirements for participants who receive course credit will be announced later.

Financial considerations: The TXESS Revolution project will cover transportation costs to and from Austin (except for travel during the weekend of June 21 – June 22). If you travel home on this weekend, you'll need to cover these costs. The project will also cover lodging in a UT-Austin dormitory (two per room) and two meals (breakfast and

lunch). Participants are responsible for dinner. A \$50 per day stipend will be provided to participants.

COURSE CREDIT : We anticipate being able to offer 3 graduate credits in geoscience to participants who take both Summer Institute A (2008) and Summer Institute B (2009).

Application Deadline: March 21, 2008

Application: (document attached)

Please send applications to Marsha Willis of the TRC. You may Fax them to 512-471-9244 or send them electronically to marsahwillis@mail.utexas.edu.

Contact:

Marsha Willis (marshawillis@mail.utexas.edu)

Michael Brunt (mbrunt@eaglepassisd.net)