



Summer 2006

The Earth As a Classroom (TEAC)

A professional development course for K-12 teachers

Presented by the Raggio Research Center (RRC) at UNR and Nevada Seismological Laboratory (NSL) at UNR and UNLV

Includes a 6 day field experience at Lake Tahoe and Mammoth Lakes

Overview of the Course

Earth science is often considered a “lesser” science, but what could be more exciting than teaching and learning about plate tectonics, earthquakes, volcanoes? And what could be more engaging than having real-time seismic data streaming into your classroom so your students can “see” earthquakes as they happen and join with other schools and the researchers at the Nevada Seismological Laboratory in the Nevada K-12 Seismic Network? Requirements for the course include keeping a field journal, writing a paper on field experience topics, and developing and teaching an Earth Science module in your own classroom. We will also address pedagogical topics such as assessment, teaching strategies for Earth science, and differentiated instruction.

Instructors: Dr. Ken Smith, NSL and Dr. Pamela Cantrell, RRC



Learn About

- ◆ Reading geological maps
- ◆ Recognizing fault types and other landforms relative to seismology
- ◆ Reading and interpreting waveform data
- ◆ Using seismic software for your classroom (software is provided free of charge)
- ◆ Elements of earthquake mitigation (Presented by UNR's Department of Civil and Environmental Engineering)

Dates and Times

PreSessions at UNR: April 29 & May 13

9:00 AM to 3:00 PM (Lunch provided)

Field Experience: July 18-24

Post Session at UNR: September 30

9:00 AM to 3:00 PM (Lunch provided)

Expenses Covered by our Grant

Travel and lodging expenses for pre and post sessions for teachers living more than 90 miles from Reno; \$200 toward tuition for 3 graduate credits; travel and lodging during field experience (double occupancy hotel rooms—two beds); a packet of reference materials.

Applications now being accepted. Download an application form from our Web site: www.unr.edu/raggiocenter. Click on TEAC.