

BAESI Saturday Workshops

Spring 2012

Funded by grants from Chevron and NASA

Bay Area Earth Science Institute (BAESI) workshops for teachers of grades 4-12 **are free**, address California science standards, and present a blend of science concepts and ready-to-use classroom activities for teaching them. Each workshop or field trip meets from 8:30 am - 4:30 pm and will take place in room 306 Duncan Hall on the San José State University (SJSU) campus unless otherwise noted. **If you need SJSU credit, you may combine any two sessions to earn 1 unit of Geology 104 for \$50.**

SCHEDULE

January 21: California Earthquakes, Faults, & Geology

Angela Hessler (Chevron Energy Technology Company), Richard Sedlock (SJSU Geology/BAESI) and others who are available and interested. How faulting has stitched together the geology of California, and how active faults have affected and could affect Californians. The day will include content and activities on plate tectonics, faulting, earthquakes, and geologic and fault maps. This workshop will meet at Chevron in San Ramon 6101 Bollinger Canyon Road, San Ramon, CA 94583; more details to follow.

February 11: Human Impacts on Biodiversity

Jonathan Hendricks (SJSU Geology), Ellen Metzger (SJSU Geology), and guests from SJSU's Environmental Studies Department. This workshop will focus on biodiversity loss (extinction) due to long-term human impacts on the environment, including habitat alteration, introduction of invasive species, and global climate change. Such impacts will be presented in the broader context of Earth history, which provides a "yard stick" by which the severity and consequences of biodiversity loss may be measured. Several specific case studies of past, modern, and probable future biodiversity loss will be presented.

March 10: Climate Change: Science, Symptoms, and Solutions

Ellen Metzger (SJSU Geology/BAESI), Sandi Yellenberg (Santa Clara County Office of Education), and Eugene Cordero (SJSU Meteorology and Climate Change). This workshop will feature a blend of fundamental concepts and strategies for bringing them to the classroom, including presentations from BAESI teacher alumni. Discover newly-developed multimedia education tools featuring the sustainability superhero, the Green Ninja!

May 5: Coastal field trip

Will Schweller (Chevron consultant) and Richard Sedlock (SJSU Geology/BAESI).

On this all-day trip, we will examine modern beach processes and easily accessible outcrops between Santa Cruz and Pacifica. ***Note:** Most of the stops will be the same as stops on one or more of the field trips in Sept 2009, Sept 2010, and July 2011. However, we will also have some new stops, led by Will Schweller, that focus on active beach processes. Logistical details to follow.

Questions? Contact Ellen Metzger at 408-924-5048 or ellen.metzger@sjsu.edu

TO REGISTER go to www.baesi.org/ and click on **Spring 2012 Workshop Schedule**.

