



The Northern California Geological Society (NCGS)
in association with
the Mount Diablo Interpretive Association (MDIA), Mount Diablo State Park,
and the Bay Area Earth Science Institute (BAESI)
presents

Geological Field Trip on Mount Diablo – A Teachers' Workshop
Saturday, October 20th, 2012
8:30am –4:30pm

In this full-day workshop keyed to the California Earth Science Standards, you'll learn the geology of Mount Diablo and experience 2 half-day field trips that you can run for your students to help them understand:

- * Earth's history
- * Plate tectonics
- * Erosion and mountain-building

As a highly visible landmark in the East Bay, Mount Diablo represents an excellent place to let students see geology first-hand. With igneous, metamorphic, and sedimentary rocks formed in a variety of conditions and demonstrating a changed environment through time, Mount Diablo is readily accessible for day trips and offers several resources to assist teachers in running class field trips.

The workshop, which is particularly targeted to sixth grade science teachers, will be limited to 25 teachers.

We will meet at the Rock City Training Center in the park, have a lecture on the geology of the mountain, and then hike a 3-mile downhill trail to see the lower part of the mountain, including a mapping exercise for students. Following a BBQ lunch provided by NCGS, we will drive to the summit of the mountain for a 2-mile geological trail hike, views of the surrounding areas, and a tour of the excellent Summit museum. The day will end at 4:30pm following a talk on the natural history of Mount Diablo by a Park Ranger and discussion of resources available to teachers.

Participants will receive road logs describing the outcrops along the road up the mountain, a report describing the geology of the mountain, PowerPoint presentations, and information on resources available for teachers from the Lindsay Museum (rock kits), the State Park (trip guides, fee waivers), MDIA (publications) and NCGS (field trip leaders).

Participants will need to dress in layers and bring sunscreen and a light rain jacket. In the event of heavy rain, the workshop will be rescheduled.

The workshop is free, but you must submit a \$20 fee along with your application. The fee will be refunded in full upon completion of the workshop. If you wish to earn academic credit, for an additional fee of \$50 and attendance at another full-day workshop, you will be eligible to earn 1 unit of Geology 104 at SJSU.

To register, please go to the BAESI web site at www.baesi.org and click on "Mt. Diablo Field Trip".

Questions? Call 408-924-5048. Or contact Ellen Metzger at ellen.metzger@sjsu.edu.