

Eaton Canyon Field trip 4th grade Kelly Eguchi class Don Benito
Jan 28, 2010
Alan Chapman and Janet Harvey
Sheet with photos of rocks to find
Carried geology hammers.

Entered at bridge, walked down to Nature Center.
A lot of water. Forded the stream once at the end.
Started with talk on earthquakes, faults
Then igneous, metamorphic, sedimentary
Lunch talk: erosion, point out landslides, chaotic rocks
One kid tried to burn paper with magnifiers
Janet: Look at the rock you are sitting on. Use adjectives to describe it. Rough. How far apart are the bumps? Caused by difference in [something – is it cooling rate?]

When we break a rock open, does it look like what you are sitting on? No! Rounded vs edges.

Have you ever tried to skip a rock on the water? What do they look like? Flat.

How rounded a rock is corresponds to how far it is from the outcrop where it was sitting as part of the mountain.

How old are these rocks? Some over 1 billion years old!!

When is the earth's birthday? How old is the earth? When were the dinosaurs? These rocks saw the dinosaurs come and go. Where here before there were any animals at all!

Gneiss is oldest. Milky quartz is young.

Sierra Madre fault - people dig trench, look at sediment, from that they can discern the magnitude of past earthquakes.

"I came here last year and it was boring. This is a lot more fun."