

## CHICO CREEK NATURE CENTER – Geology Hike

**Focus:** Geology of Big Chico Creek in the Upper Bidwell Park area.

**Pre-visit Activities:**

**Post-visit Activities:**

**UPPER BIDWELL PARK VISIT (Starts at Horseshoe Lake):** (Time: 90 minutes)

**Part 1. FIELD:**

Students will hike in Upper Bidwell Park and learn how to read its fascinating geologic history. Students will be introduced to basic concepts such as rock types, land formations, weathering, and erosion.

**Science Content Standards:**

Grade 2	Grade 4	Grade 6
<b>Earth Sciences</b>		
3. Earth made of materials that have distinct properties a) properties of rocks and minerals b) weathering c) soils differ in character d) fossil evidence e) rock, water, plants provide natural resources	4. Properties of rocks and minerals a) igneous, sedimentary, and metamorphic rocks 5. Waves ... water... shape and reshape Earth's land surface a) changes due to slow processes like erosion and fast processes like volcanism c) Moving water erodes landforms	1. Plate tectonics a) evidence d) earthquakes, fossils, volcanic activity, f) major features of California ... 2. Topography is reshaped a) Water ... dominant process in shaping landscape b) Rivers and streams ... dynamic... erode, transport sediment, change course ... natural and recurring patterns
<b>Science Investigation Skills</b>		
4. a) Make predictions based on observed patterns and not random guessing.	6. Meaningful questions ... careful investigations a) Differentiate observations from inference. c) Formulate predictions.	7. Meaningful questions ... careful investigations a) Develop hypothesis. e) Recognize if evidence is consistent with proposed explanation.