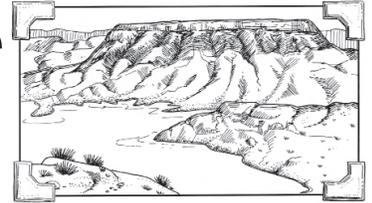


# Lake Mead Environmental Education

National Recreation Area  
National Park Service  
U.S. Department of Interior



## Grade 4 - Field Program Outline "Stories in Stone"



Theme	The rocks and landforms around Lake Mead tell the story of past environments'
Objectives	Students will identify three types of rocks found in the Lake Mead region. Using a map and compass, students will locate and identify local landforms. Students will correlate rocks with local landforms and compare the environments in which they were formed.
Vocabulary	<u>crust</u> - the outermost layer of the Earth <u>geology</u> - the science dealing with the structure of the Earth <u>igneous</u> - rock that has solidified from magma <u>landform</u> - any feature of the Earth's surface having a characteristic shape as the product of natural process <u>lava</u> - molten rock that escapes or comes through the crust as a result of a crack or a volcano <u>magma</u> - molten material generated within the Earth <u>metamorphic</u> - rock that has undergone change as a result of heat and pressure <u>sedimentary</u> - rock formed by the settling or deposition of minerals and rock grains
Background Information	The landscape of the Lake Mead NRA region showcases a variety of different environments which are preserved in area rocks and landforms. Oceans, lakes, deserts, forests and volcanoes have all existed in what is now Southern Nevada! A close examination of these rocks and landforms gives us clues as to what these past environments were like.
National Science Standards	The surface of the Earth changes.
Nevada State Standards	Students understand that features on the Earth's surface are constantly changed by a combination of slow and rapid processes. Students know landforms may result from slow processes (i.e., erosion and deposition) and fast processes (i.e., volcanoes, earthquakes, landslides, floods and human activity).
Arizona State Standards	Compare rapid and slow processes that change the Earth's surface. Analyze evidence that indicates life and environmental conditions have changed.

Teachers! - check out our web site: [www.nps.gov/lake](http://www.nps.gov/lake) and other educational opportunities for your grade level through our interagency partnership: [www.enviroedexchange.org](http://www.enviroedexchange.org). For volunteer opportunities: [www.getoutdoorsnevada.org](http://www.getoutdoorsnevada.org)

