

NDOM Classroom Activities

GRADE	WHERE PRESENTED	LESSON	ACTIVITY
All Elementary Grades	CC/LV	General Geology, Minerals Ed & AML	Bead Mining, Paste with a taste
1, 3, 4, & 5	CC	Geologic Time Scale, Earth History ad Evolution and Fossils	Put together the time scale and create your own fossils using plaster and animal shapes
K	CC	Introduction to Rocks and Geology	Weird Rocks - Sit down reading with specimen samples
K	New - LV	Understanding Maps	Using natural materials, mineral applications.
K	New - LV	Natural Resources/Raw Materials	Begin learning about natural resources and raw materials with the 3 little pigs
K	CC	Introduction to Fossils	Introduction to fossils and make a fossil
1	New - LV	Rock Cycle	Rolling along the rock cycle - game, rock ID and story about rocks
2	CC	Rock and Mineral Hunt	Outdoor activity & scavenger hunt for rocks and minerals
2	CC	The Rock Cycle	Delilah goes through the rock cycle - interactive with playdoh 'rocks'
2-3	New - LV	Minerals Resources	What are the things I use made of? Everyday necessities are made from different materials we source from the earth.
3	New - LV	Fossils/Minerals	Minerals Roll in Fossils - create fossil using permeable sponge in shape of bones and set with water plaster and mineral mixture
4	New - LV	Earth and Humans	How building and mining has affected our surroundings and what we do to conserve/reclaim the lands we use.
4	New - LV	Mixtures & Solutions in Geology	Using geologic concepts and a sediments activity to explain mixtures and solutions
4	CC	Earth history and Evolution	Build a Beast - Create your own new creature using theory of evolution and species development
4	CC	History of Mining in Nevada	Presentation - Boom and bust with cards/timeline activity, with AML message.
4	CC	Minerals & NV mining	Mine locations - what we mine, size of mining companies and where in the state they are located. Uses NV map and Major Mines of NV booklet. With AML Message.
4	CC	Minerals & Mineral Exploration	Cupcake Core Drilling - Types of drilling operations, theory of exploration and build a cross-section. AML Message.
5	New - LV	Mineral Properties & ID	Mineral testing and identification stations introduce 5th grade students to testing mineral properties and applying results to identification.
6-12	TW	Plate Tectonics	Discuss plate tectonics and the behavior of the Earth's crust under different types of stresses
8-12	TW	Drilling for Energy	Nevada Specific Geologic Interpretation of Wells and Resources (Oil, Gas and Geothermal)
8-12	TW	Geothermal Activity	Create a Geothermal Plant and Solve for Faraday's equation for electric induction (magnet in a coil)
9 & 10	CC	Soils & Mineral Exploration	Soil Composition and minerals/rocks, soil classification, texture and structure, mineral structure and rock composition
9 & 10	LV, TW	Mining & Exploration	Build a mine; Under the earth

Key: LV - Las Vegas Office | CC - Carson City Office | TW - Teachers' Workshop Course