

Science Fair Project Ideas

Earth Science: Changing Landforms (5–6)

Forces That Create Landforms

How did plate tectonics affect this area?

Do the forces of plate tectonics work the same when modeled on a smaller scale?

How might the shapes of the continents change in the future?

Does the temperature of lava affect the type of landform created?

Why do some volcanoes eject lava and others eject ash?

Forces That Shape Landforms

How can earthquakes be predicted?

Does the type of soil under a building affect the amount of damage the building will sustain during an earthquake?

Does the depth of a building's foundation affect the amount of damage the building will sustain during an earthquake?

Which building materials allow a model to be the most earthquake resistant?

Which building shape allows a model to be the most earthquake resistant?

If a building has been through one or more earthquakes, is it more likely to sustain damage than if the same building had never been through an earthquake?

How might the Hawaiian Islands look millions of years from now?

How might California look millions of years from now?

Which type of grass slows erosion best?

How do waves affect shorelines made of different materials?

Does the slope of a beach affect how waves shape a shoreline?



MORE Science Fair Project Ideas
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Is a mesa more likely to form by wind or water erosion?

Is an arch more likely to form by wind or water erosion?

How does erosion by moving ice compare to erosion by water?

How do retreating glaciers affect landforms?

How does erosion by wind compare to erosion by water?

How does erosion by steady, light rain compare to erosion by heavy rain that starts and stops?

At what wind speeds do different types and sizes of particles move?

Which type of fence is most effective at preventing erosion by wind and water?

How does water deposit different sizes, shapes, and kinds of rocks?

How does the compaction of soil affect erosion?

Which type of soil does water erode fastest?

Does the presence of earthworms slow the process of erosion?

Do certain plants slow the process of erosion more than other plants?

How does agriculture affect erosion?

Which length of grass is most effective at slowing wind and water erosion?

The Rock Cycle

Does it take longest to polish a piece of igneous, sedimentary, or metamorphic rock?

How do different types of rocks change when placed in various liquids?

How do different types of rocks change when subjected to extreme temperatures?

Which type of rock does acid rain erode fastest?

Do different types of rocks have different hardness levels before and after being heated in a kiln?

