Earth Movers
3rd grade

Overview
This class program introduces students to the forces that are constantly changing the earth’s surface including erosion, earthquakes, and volcanoes. Through hands-on demonstrations, students learn about tectonic plate movement, wind and water erosion, and volcanic action.

Vocabulary
- **Erosion** - the process of removing soil particles by wind, water, or other natural agents
- **Tectonic** - of or relating to the structure of the earth's crust and the large-scale processes that take place within it.
- **Weather** - (of rock or other material) be worn away or altered by long exposure to the air:

**NM Science Standards Addressed**
2-3-2-1 Know that Earth’s features are constantly changed by a combination of slow and rapid processes that include the actions of volcanoes, earthquakes, mountain building, biological changes, erosion, and weathering.
2-3-2-4 Know that air takes up space, is colorless, tasteless, and odorless, and exerts a force.

**CCSS Language Arts Standards Addressed**
SL.3.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.
SL.3.1.B Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion).
SL.3.1.C Ask questions to check understanding of information presented, stay on topic, and link their comments to the remarks of others.
SL.3.1.D Explain their own ideas and understanding in light of the discussion.
SL.3.3 Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.

**Next Generation Science Standards Addressed**
3-ESS3-1 Make a claim about the merit of a design solution that reduces the impacts of a weather-related hazard.