

EARTH'S LAYERS

Lesson Summary:

Students learn about the structure of Earth's layers and its source of the magnetic field within Earth's inner core by making a clay model planet.

Objectives:

The student will:

- identify Earth's layers, including the inner core, outer core, mantle, and crust;
- model the relative sizes of each Earth layer;
- determine that iron and nickel make up molten rock within Earth's core; and
- explain the movement of molten rock in Earth's core helps generate Earth's magnetic field.

GLEs Addressed:

Science

- [5-8] SA1.1 The student demonstrates an understanding of the processes of science by asking questions, predicting, observing, describing, measuring, classifying, making generalizations, inferring, and communicating.
- [6] SD2.2 The student demonstrates an understanding of the forces that shape Earth by identifying and describing its layers (i.e., crust, mantle, core).

Search Terms:

Earth
Earth's layers
clay
crust
mantle
outer core
inner core
iron
nickel