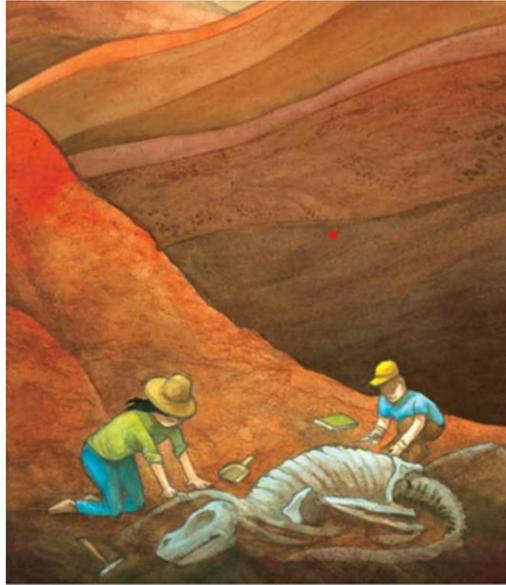


## Core Knowledge

- Geologists use rocks to learn about the earth.
- Geology is the scientific study of the history of the earth.
- The crust is the hard, thick, outer covering of the earth.
- The mantle is the layer of the earth between the crust and the core.
- A volcano is a mountain formed by the ejection of lava, gases and ash from an opening in the earth's crust.
- A fossil is the print or remains preserved in rock of a plant or animal that died many years ago.
- A palaeontologist is someone who studies living things from long ago by looking at fossils.

## The History of the Earth



## Domain Themes

- Oceans and continents
- North and South Pole
- Layers of the Earth
- Volcanoes and geysers
- Common minerals in the earth
- How we use minerals
- Igneous, sedimentary and metamorphic rocks
- Fossils
- Dinosaurs

## Core Knowledge

- Places on the earth where hot water and steam shoot up from inside the earth onto its surface are called geysers.
- Lava is molten or liquid rock on the earth's surface.
- Magma is molten or liquid rock that is deep inside the mantle of the earth.
- Gemstones are precious stones that can be cut, polished, and used in jewellery.
- Minerals are natural substances found in rocks or in the ground.
- An igneous rock is a rock which form when molten rock cools, hardens and turns solid.
- A metamorphic rock is a type of rock that has formed from another rock as a result of heat and/or pressure.
- A sedimentary rock is a type of rock that has formed as the result of layers of sediment pressed together.

## Home Learning

- **Make a fact file about a dinosaur**
- **Using plasticine, make a model to show the layers of the earth**
- **Make a fossil using straws**
- **Write 5 questions you could ask a palaeontologist**



## Key Vocabulary

- |             |               |                   |
|-------------|---------------|-------------------|
| • equator   | • geysers     | • fossil          |
| • geologist | • magma       | • meteor          |
| • geology   | • minerals    | • palaeontologist |
| • core      | • gemstones   | • excavating      |
| • crust     | • minerals    | • eruption        |
| • mantle    | • igneous     | • sedimentary     |
| • volcano   | • metamorphic | • lava            |

