

# Extreme Earth- Year 3

What is extreme about the Earth?



| Oracy Skills  |   |
|---|---|
| <b>Social</b><br>To have the confidence to have a different opinion to others.<br>To make sure that everyone in the group makes a contribution. | <b>Cognitive</b><br>To offer opinions which aren't their own.<br>To be able to reach a shared agreement |
| <b>Linguistic</b><br>To use specialist vocabulary and make precise vocabulary choices.  | <b>Physical</b><br>To consider position and posture when addressing an audience.                        |

| Sentence Stems                       |
|--------------------------------------|
| ❖ The processes causing this are.... |
| ❖ This picture/diagram shows....     |
| ❖ This happens because....           |
| ❖ I have found.....                  |

## Key Vocabulary

|             |  |                   |   |
|-------------|--|-------------------|---|
| permeable   | Letting water pass through. Not waterproof   | molten            | Metal or rock that is in a liquid state because of great heat.                |
| impermeable | Not allowing water to pass through. Also described as waterproof.                    | solid             | A material that doesn't flow and can be held.                                 |
| lava        | Hot molten rock that comes out of a volcano.   | tectonic plate    | A large, slow-moving piece of rock that makes up the Earth's crust.           |
| liquid      | A material that is runny, can be poured easily and takes the shape of its container. | vent              | An opening in the Earth's crust through which lava escapes.                   |
| magma       | Hot, molten rock found in the Earth's mantle   | volcanic eruption | The sudden and violent explosion of lava, gas, ash and rock out of a volcano. |

## Discussion Topics and Enquiry Questions

- How are rocks formed and are they all the same?
- How are fossils formed?
- What is under our feet?
- What are volcanoes, earthquakes and tsunamis and how do they affect the earth?
- What are keys and how do we use them to read a map?

## Core knowledge and skills

- Name different types of rocks and their properties.
- Talk about how different types of rocks are formed.
- Talk about how fossils are formed.
- Draw different fossils.
- Learn about the layers of the Earth and tectonic plates.
- Understand why Earthquakes and volcanoes happen.
- Talk about the impact of natural disasters on the physical and human world.
- Discuss the pros and cons of living near a volcano.
- Develop map skills and how to use a key.
- Learn about the eruption of Mount Vesuvius and its impact on Pompeii.

