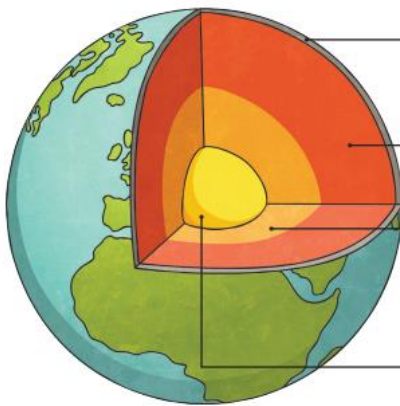


Extreme Earth

Year 3 Geography Knowledge Organiser Spring Term 2023

This half term, in Geography, we will learn about the destructive powers of nature, from volcanoes and earthquakes to tsunamis and tornadoes. We will learn about how and why these natural phenomena occur, and the ways in which they affect people and the environment.

Layers of Earth



Crust

Thin outer layer. Hard rock. 10km-90km thick.

Mantle

Extremely hot rock that flows. 3000km thick.

Outer core

Iron and nickel. Mostly liquid with some rocky parts. 4000°C.

Inner core

Iron and nickel. Hottest layer at over 5000°C.

Earthquakes are caused when the earth's tectonic plates suddenly move.

A tornado is a swirling funnel of air that forms when warm air rises from near the ground into big cumulonimbus clouds.

A tsunami is a giant wave caused by a huge earthquake under the ocean.

Volcanoes are made when pressure builds up inside the earth. This affects the earth's crust causing magma to sometimes erupt through it.

Key Vocabulary

cumulonimbus cloud

erupt fossils magma

tectonic plates

earthquakes

tornadoes

tsunamis

volcanoes

Layers of Soil

humus	Rotting dead leaves and animals.
topsoil	Plant's roots grow here. Very few rocks.
subsoil	Rocks and stones. Full of nutrients. Tree roots may reach. Fossils.
bedrock	A mass of rocks. Fossils.

