

## Caroline Haslett Primary School - Geography

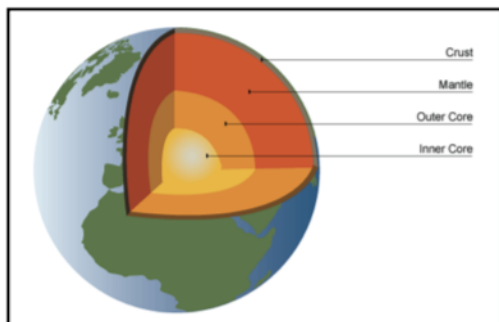
**Summer Term**

**Year 6**

**Tectonic Plates**

### Knowledge

The Earth is made of a few different layers: crust, inner core, mantle and outer core.



Tectonic plates are pieces of the Earth's crust that 'float' on the magma underneath.

The plates move because of convection currents in the mantle.

Tectonic plates are made of two types of crust – oceanic crust and continental crust.

Earthquakes and volcanoes are usually found at plate boundaries.

There are three different plate boundaries:

- Conservative Plate Boundaries – where two tectonic plates slide past each other in opposite directions, which can cause earthquakes.
- Constructive Plate Boundaries – where two tectonic plates move apart, which can cause earthquakes.

Destructive Plate Boundaries – where two tectonic plates move towards each other, which can cause earthquakes and volcanoes.

### Activities

- Understand the Earth's structure and different plate boundaries.
- Identify the Earth's plate boundaries.

### Skills and National Curriculum Objectives

- Describe and understand key aspects of physical geography, including ...volcanoes and earthquakes.
- Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

### Vocabulary

- **Convection Currents** - waves of moving heat.
- **Conservative Plate Boundaries** - where two tectonic plates slide past each other in opposite directions.
- **Continental Crust** - parts of the Earth's crust that is mainly under land.
- **Constructive Plate Boundaries** - where two tectonic plates move apart.
- **Crust** - the thin, solid outer layer of the Earth that we live on.
- **Destructive Plate Boundaries** - where two tectonic plates move towards each other.
- **Inner Core** - a super-hot solid ball of iron and nickel at the centre of Earth.
- **Mantle** - The thick, gooey layer of molten rock underneath the Earth's crust.
- **Oceanic Crust** - parts of the Earth's crust that is mainly under the sea.
- **Outer Core** - a hot liquid layer of iron and nickel surrounding the Earth's inner core.
- **Plate Boundary** - where two tectonic plates meet.
- **Tectonic Plates** - pieces of the Earth's crust that 'float' on the magma underneath.

