

## Geography Year 3 – Spring - Extreme Earth

Prior Learning:

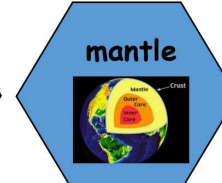
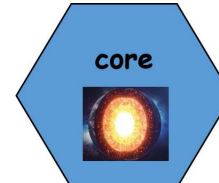
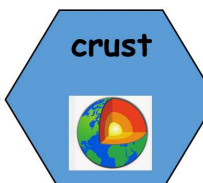
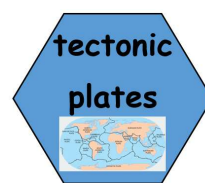
Theme: Extreme Earth

Concept: Environment and place

We will be learning about 3 extreme events that occur on the Earth – earthquakes, volcanoes and tsunamis. To explain them we will need to understand the structure of the Earth and the movement of the tectonic plates. We will also look at human impact.



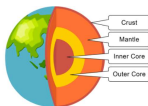
Words we will know!



### 1. Under our feet

TWAL: about the structure of the Earth

We will learn about the different layers of the Earth. We will understand that the crust is thin like the skin of an peach, and the other layers are represented by the flesh and the stone. We will discover that the inside of the Earth is incredibly hot.



The Earth is made up of 3 different layers, the crust, the mantle and the core.

### 4. Why does the Earth sometimes shake, rattle and roll?

TWAL: To understand how an earthquake happens

Using digestive biscuits, children will experience how the tectonic plates move and can create earthquakes. We will look at the location of earthquakes and make links to tectonic plates.



Earthquakes occur when tectonic plates move.

### 2. How is a volcano created?

TWAL: To explain how volcanoes are formed

We will use our knowledge of the structure of the Earth, and tectonic plates to explain how volcanoes are formed. We will locate tectonic plates/volcanoes on a digimaps. Teacher to demonstrate a volcanic eruption with a coke bottle/mento.



The crust is made of tectonic plates which can move.

### 5. How do earthquakes affect people?

TWAL: to explain how an earthquake affects people

We will experience an earthquake drill and think about the human impact an earthquake might have. We will look at adaptations that can be made to lessen the impact.

### 3. How do volcanoes affect people's lives?

TWAL: To understand the positive and negative impacts of a volcano

We will learn about dormant, active and extinct volcanoes and then think about how volcanoes can have a positive and negative impact on people's lives. We will discuss whether you would like to live near a volcano and think about volcanoes in England.

### 6. What is a tsunami?

TWAL: to explain what a tsunami is and how it can affect people

Children will learn what a tsunami is, and why they occur in particular places. We will look at some of the damage they can cause and think about how rescue teams can help after the event. Teacher can create a tsunami demo with a tray of water/sand/mud.



Tsunamis occur when an earthquake happens under the sea.