

# Extreme Earth Evolution



## Prior Knowledge

Year 1: Where is Winkleigh?  
Locational knowledge.

Year 2: Weather patterns

Key stage 1: geographical vocabulary to describe human and physical geography.

## My Component Knowledge:

Lesson 1: I can understand key vocabulary.

Lesson 2: I can understand the structure of the Earth.

Lesson 3: I can understand what volcanoes are.

Lesson 4: I can identify where volcanoes are.

Lesson 5: I can describe and explain earthquakes and tsunamis.

Lesson 6: I can investigate protective architecture.

## My Composite Knowledge:

I can understand that how earthquakes and volcanoes form. I understand the geographical features that contribute to natural disasters.

## My Powerful Knowledge:

I understand that different countries and locations have different human and physical geographical features. I understand that natural disasters occur and I can begin to suggest ways to safeguard against them.

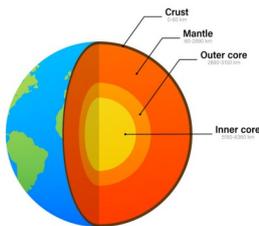
## Key Vocabulary

**Tier 1:** Earth, surface, weak

**Tier 2:** Volcano, earthquake, ash, epicentre, continents

**Tier 3:** Mantle, upper core, inner core, tectonic plate, tsunami, crust, magma, shock-absorber, cross-brace

STRUCTURE OF THE EARTH



## Earthquake-Resistant Structure



Seismic Resistance

Vibration Control

Base Isolation

What is a volcano?

What is the structure of the earth?

What is an earthquake?

