

# Pye Bank CE Primary DSAT Knowledge Organiser

## YEAR 3

## What is it like to live in a natural hazard zone?

## GEOGRAPHY

### KEY VOCABULARY

**Natural Hazard:** a natural danger to people and their property, and their way of life.

**Natural Disaster:** a natural event that causes great damage or loss of life.

**Volcano:** an opening in the Earth's crust where red-hot rocks and gas break to the surface from the underground.

**Earthquake:** a sudden movement, or tremor, in the Earth's crust.

**Core:** the hot centre of the Earth.

**Mantle:** the solid part of the inside of the Earth. Between the core and the crust.

**Crust:** the thin top layer of the Earth.

**Tectonic plate:** a massive slab of rock that makes up the Earth's crust.

**Plate boundary:** the place where tectonic plates meet.

**Magma:** molten rock below the Earth's surface.

**Lava:** magma that reaches the Earth's surface.

**Volcanic Ash:** tiny pieces of material that are ejected when a volcano erupts.



### STICKY KNOWLEDGE

1. A natural disaster is a violent event which humans cannot control.
2. A natural hazard can lead to a natural disaster.
3. A natural disaster can cause loss of life or damage property, and typically leaves some economic damage in its wake.
4. A volcano is an opening in the Earth's crust where red-hot rocks and gas break to the surface from the underground.
5. Volcanos happen on weak spots on the Earth's surface where magma can break through; often these are on or near places where tectonic plates meet or part.
6. Although erupting volcanoes are dangerous and destructive, the long-term effects can be beneficial to people as the material they emit produces fertile soils.
7. Earthquakes are caused by a sudden release of energy in the Earth's crust. They are often the result of instability created where tectonic plates meet and fault lines form.
8. Most volcanoes and earthquakes occur at plate boundaries.

### LOCATIONAL KNOWLEDGE

**Ring of Fire:** an area around the Pacific Ocean where volcanoes and earthquakes happen regularly.

**Mount Vesuvius is located in Pompeii:**



**Mount Vesuvius:** a volcanic eruption in 79BCE which covered Pompeii in ash.



**Christchurch:** an earthquake in New Zealand in 2011



### HUMAN FEATURES

#### Planting crop



#### Tourism



### PHYSICAL FEATURES

#### Volcano



#### Earthquake

