

**Year 3**  
**Term – Spring 1**

**This term we will be learning...**

- To research the effects of earthquakes.
- To record information about earthquakes.
- To empathise with people who have experienced earthquakes.
- To research the effects of volcanoes.
- To write an information report about volcanoes and earthquakes using what we have learnt.
- To consider how volcanoes and earthquakes have impacted human society throughout history.

**Volcanoes and Earthquakes**



**Educational Visits**

To be confirmed

**Key Information**

Earthquakes are the rumblings, shaking or rolling of the earth's surface. It is usually what happens when two blocks of the earth suddenly slip past one another, or break apart from each other as a result of tension caused by prolonged energy build up.

Sometimes, there are smaller shocks that occur before (foreshock) and after (aftershock) a main earthquake (mainshock).

A volcano is a landform (usually a mountain) where molten rock erupts through the surface of the planet.

In simple terms a volcano is a mountain that opens downward to a pool of molten rock (magma) below the surface of the earth. It is a hole in the Earth from which molten rock and gas erupt.

. As pressure in the molten rock builds up it needs to escape somewhere. So it forces its way up "fissures" which are narrow cracks in the earth's crust. Once the magma erupts through the earth's surface it is called lava. Both phenomenon have had major influence on human settlement throughout history and even today, with whole cities moving due to the effect of a major eruption or shake.

## English

- We will be learning: to use first and third person consistently.
- To use the subordination *if, so, while* though and *since* accurately.
- To begin to add phrases to make sentences more precise and detailed (e.g. the extremely poisonous dragon, as quickly as possible)
- To make adventurous word and language choices.
- We will be reading: **Escape from Pompeii** and **Meerkat Mail**.

## Science

To know why humans and animals need to eat.  
To know what types of foods people need to eat.  
To explain what our skeleton does for us  
To explain what muscles are for  
To investigate different and compare different people.

## Mathematics

- **To interpret and present data using bar charts, pictograms and tables.**
- **To measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).**
- **To measure the perimeter of simple 2D shapes.**
- **Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.**

## Computing

We are learning to keep ourselves safe online.

We will learn to code and make things happen in a sequence, creating simple animations and simulations.

## You might like to join in with our learning at home by:

### Reading

- **Go to the library and read non fiction books**

### Watching

- **Newsround for stories about healthy eating, volcanoes and earthquakes.**

### Doing

- **Keep a food diary and label the different types of food they are eating.**
- **Memorising times tables and number bonds.**

### Visiting

- **The Natural history museum volcanoes and earthquakes rooms.**
- **The thinkuknow website together to discuss e-safety at home.**
- **Science museum human body rooms.**