



# Year 4 – Autumn 1



## Volatile Volcanoes!

### Key Vocabulary

**Vibration**-Particles moving very quickly  
**Decibels**-The unit to measure loudness  
**Pitch**-How high or low a sound is  
**Sound source**-The object that started the sound  
**Tectonic Plate**- the earth is divided into a small number of plates which float on and travel independently over the mantle and much of the earth's seismic activity occurs at the boundaries of these plates  
**Convergent**- This is where two tectonic plates meet. The ground can fold up, creating fold mountains.  
**Divergent**- This is where two tectonic plates move apart. Magma can come through the gap, creating a volcanic mountain.  
**Transform**- This is where two tectonic plates slide past one another. Cracks in the plates can cause fault-block mountains.  
**Dormant**-a volcano that may erupt one day but hasn't for a long time.  
**Extinct**-a volcano that has not erupted in over 10,000 years and is not expected to erupt again.

### English

We will be learning to write a short graphic novel based on our class text. We will also be learning to write a persuasive speech.



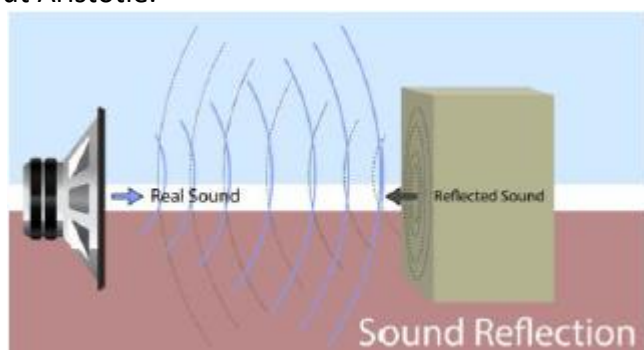
### Maths

**Place Value**-we will be learning to identify, write, represent & partition numbers up to 10,000. We will use our understanding to complete, estimate and find the midpoint on a number line. We will apply our understanding to solve word problems.  
**Addition and Subtraction**- we will be learning to add & subtract up to two 4-digit numbers with and without an exchange. We will learn to estimate answers before checking we have used the most efficient method. We will use our understanding to solve problems.

### Science – Sound

#### What factors affect the pitch and the volume of sound?

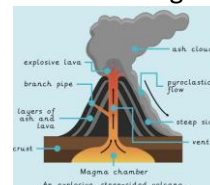
We will identify how sound is made. We will explore how vibrations from sounds travel through a medium to the ear. We will explore sound insulation. We will explore volume & pitch. We will use the terms: vibration, decibel, sound source, sound reflection and sound waves. We learn about Aristotle.



### Geography – Volatile Volcanoes

#### Why do people live near volcanoes?

We will name all four layers of the Earth in the correct order, stating one fact about each layer. We will explain one or more ways a mountain can be formed. We will give a correct example of a mountain range and its continent. We will describe a tectonic plate and know that mountains occur along plate boundaries. We will correctly label the features of shield and composite volcanoes and explain how they form. We will name three ways in which volcanoes can be classified. We will describe how volcanoes form at tectonic plate boundaries. We will give a mix of negative and positive consequences of living near a volcano.



### R.E.

#### Are all religions equal?

We will recognise that there are many connections between world views. We will learn to explain the similarities and differences in how people understand in God. We will learn how some Sikh practices and beliefs reflect ideas about religious equality.

### French

#### The Classroom

We will name school bag objects and recognise if they are masculine or feminine. We will understand and respond to simple classroom instructions.

### PSHE / RSE

#### Me and My Relationships!

We will be learning to understand how my feelings make me behave. We will learn to understand how we are part of a community and there are people who help us. We will learn the value of friends and how we get along.



### PE

**Ball Skills**- We will be learning about different passes and how to defend using the games of Football and Handball.  
**Swimming**- We will be learning to swim with qualified swimming instructors at Westminster Lodge,

### D&T Volcanoes

We will explore different types of volcanoes. We will look at some famous volcanoes from around the world. We will make our own volcano using different materials and learn how to show an eruption.



### Computing

We will be learning to describe how to search for information within a wide group of technologies and make a judgement about the probable accuracy. We will learn to describe some of the methods used to encourage people to buy things online. We will learn to explain why lots of people sharing the same opinions or beliefs online do not make those opinions or beliefs true.

### Music

#### KEYCORDERS



with Mrs Searle