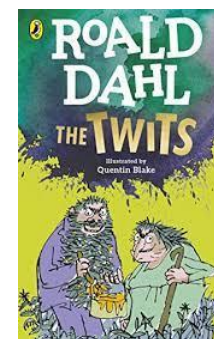


# Year 3 Autumn 2 - Why is the ground shaking?



*This term, we will be working together as a year group, to research and learn more about volcanoes and earthquakes. Our topic will begin with a learning hook, in which we will discover newspaper articles, photographs and a letter from someone who needs our help! Once we have learned more about how volcanoes and earthquakes are formed and the impact they can have on surrounding areas, we can create an information leaflet to help others to identify the warning signs, in case it happens again!*

## Key texts



## Key vocabulary

Eruption	To send out lava, rocks, and ash in a sudden explosion.
Richter scale	A scale of numbers used to tell the size of earthquakes.
Lava	Lava is hot molten rock that flows through holes in the Earth's crust and onto the surface.
Tectonic plates	The Earth's outer layer is made up of large, moving pieces called Tectonic plates.
Tsunami	When tectonic plates are stuck, the pressure builds up and they suddenly slam into a new position. This causes an earthquake. If an earthquake lifts or drops part of the ocean floor, the water above rises and starts spreading across the ocean.
Vibration	Vibration means quickly moving back and forth (or up and down).
Dormant	When something is not active at that time.

## Maths

To add and subtract number mentally, including, a 3-digit number and ones, a 3-digit numbers and tens, and a 3-digit number and hundreds.

To add and subtract numbers up to 3-digits using formal written methods.

Estimate the answer to a calculation and use the inverse to check.

To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.

To use formal written methods to solve multiplication and division problems.

## Science

To recognise different types of rock.

To observe different features of types of rock.

To compare different rock types through fair testing.

To know the different components of soil.

## Art/Design

To know which materials will work best through testing.

To know how to write a sequential plan

To know how to mix ingredients to create a particular effect.

To know how to strengthen materials using their functional properties.

To know how to follow a sequential plan.

## English

In our English lessons, we will be writing an adventure narrative based on the book 'The Last Bear' by Hannah Gold. The children will be developing vocabulary ideas in order to build complex sentences for their stories. The vocabulary they will be developing includes adjectives, adverbials, verbs, alliteration and use of personification. They will also begin to write direct speech with the use of speech marks and apply commas to lists.

The children will also be reading and creating their own poetry, focusing on the poem 'Autumn is here'.

They will explore the features of explanatory texts and use the same shapes and structure to write their own.

## Geography

To know about, locate and name some of the world's most famous volcanoes.

To know about and describe the key aspects of earthquakes.

To understand why people choose to live near volcanoes.

To know about and describe the key aspects of volcanoes.

## RE

To understand a religious ceremony and why they happen.

To understand that people celebrate things differently.

To understand that not every celebration is happy.

We will be learning about Diwali, Remembrance Day, Hanukkah, Yee Peng, and the Christmas nativity this term.