



Year 4 will be exploring the topic: Natural Disasters – Volcanoes & Earthquakes. This unit of work will have a specific focus on developing the children’s skills, knowledge and understanding of the world, focusing on natural disasters.

Maths Learning

Mathematics:

Number: Fractions

- Understanding equivalent fractions
- Fractions greater than 1
- Adding fractions
- Adding 2 or more fractions
- Subtract 2 fractions
- Subtract from whole amounts
- Calculate fractions of a quantity
- Problem solving - Calculating quantities

Number: Decimals

- Recognise tenths and hundredths
- Tenths as decimals
- Tenths on a place value grid
- Tenths on a number line
- Divide 1 digit by 10
- Divide 2 digits by 10
- Recognising hundredths and tenths on a place value grid
- Divide 1 or 2 digits by 100

Consolidation

- Efficient multiplication
- Divide 2 digits by 1 digit
- Divide 3 digits by 1 digit

English Learning

We will be reading:

‘Oliver and the Seawigs, by Phillip Reeve and Sarah McIntyre.

Writing focus

Persuasive Letter writing:

To write a persuasive letter using a text as a stimulus. Understanding what persuasive language is and how to apply this in our writing. Learning about the structural features of a letter, being able to form opinions and to be able to write in a persuasive style to influence a character to change.

Narrative story writing with a dilemma:

To rewrite a narrative using our own version of ‘Oliver and Seawigs’, ensuring there is a dilemma and focusing on descriptive language and showing characters’ voice.

Home Learning

Parents can support in the following ways:

- Research volcanoes and earthquakes, read information texts and books on them.
- Research active volcanoes in the world, what countries have active volcanoes?
- Use google to find out interesting facts about natural disasters and the effects of natural disasters.
- Practice rapid recall of all multiplication and division facts and apply these to real life problems.
- Practice handwriting and spelling word lists.



Natural Disasters – Volcanoes & Earthquakes - Year 4 Spring 2



What I already know and can do:

In Geography I have:

- Named and located counties and cities of the UK, geographical regions and their identifying human and physical characteristics key topographical features (including hills, mountains, coasts and rivers).
- Use maps, atlases, digital/computer mapping to locate countries and features covered in the UK and elsewhere.
- Start to describe and understand key aspects of physical geography, including coasts, rivers, hills, mountains and the water cycle.

In D.T I have:

- Planned a sequence of actions to make a product.
- Measured and marked accordingly to 1cm Identify the strengths and weaknesses of their design ideas.
- Decided which design idea to develop.
- Considered and explained how the finished product could be improved.

Key Vocabulary I will learn:

eruption	An explosion of steam or lava from a volcano.
aftershock	A shaking event that follows an earthquake. Sometimes more damaging than the original earthquake.
tsunami	A long, high wave usually caused by an earthquake in the ocean.
magma	Hot fluid or semi-fluid material below or within the Earth's crust from which lava is formed.
lava	Hot, molten or semi-fluid rock erupted from a volcano, or solid rock resulting from cooling of this.
dormant	A dormant volcano is an active volcano that has not erupted in the past 10,000 years.
fault	Fractures in Earth's crust where rocks on either side of the crack have slid past each other.
magnitude	If you talk about the magnitude of something, you are talking about its great size
landslide	A collapse of a mass of earth or rock from a mountain or cliff
Tectonic plates	The Earth's outer shell is made up of huge slabs of moving rock called tectonic plates.

My new learning is:

- What causes a volcano to erupt?
- Where are the famous volcanoes in the world?
- How do volcanoes impact on the lives of the people?
- Why do people choose to live near them?
- How can you create an erupting volcano?
- What causes an earthquake?
- Where do earthquakes occur? Are they always dangerous?

