


<p>What makes the Earth angry?</p>	<p>Derry Hill C of E Primary School</p>	<p>Year 3: Term 2: Autumn 2023</p>	
<p>National Curriculum Subject</p>	<p>Key Vocabulary</p>	<p>Key Skills and Knowledge</p>	<p>Learning Intention and Implementation</p>
<p>Geography Volcanoes, earthquakes and tsunamis</p> 	<p>Volcanoes Earthquakes Tsunamis Mountains Rivers Tectonic plates Earth Map Biomes Continents Natural resources Globe Fertile land Land use Active Dormant Extinct Crust Core Mantel Lava Magma</p>	<p>Key Knowledge:</p> <ul style="list-style-type: none"> - The children will learn what a volcano is and the different parts of a volcano - The children will be able to name key rivers in the world and in the United Kingdom - The children will learn how volcanoes are formed - The children will explore what causes earthquakes - They will know the pros and cons of living near a volcano - The children will learn that there are different types of volcanoes (active, dormant, extinct / shape types). - The children will learn that the Earth is split into tectonic plates that move and will be able to name some of these plates. <p>Key Skills:</p> <ul style="list-style-type: none"> - Describe and understand key aspects of - physical geography, including: rivers, mountains, volcanoes and earthquakes - Recognise and name different types of volcano (composite/ 	<p>Lesson 1 <u>LI: understand what is inside the Earth</u> We will explore the different layers of our Earth from the crust to the inner core and understand what is different about each layer.</p> <p>Lesson 2 <u>LI: explain how volcanoes are formed</u> We will look at a range of volcanoes from around the world and consider how they are formed. We will link back to our learning in the previous lesson to use correct vocabulary and be able to name the different parts of a volcano.</p> <p>Lesson 3 <u>LI: explain how volcanoes affect people's lives</u> We will identify some of the pros and cons of volcanoes to understand why people live near them. We will explore the benefits it can have on the soil and crop growth as well as</p>

shield / dome / active / dormant / extinct).

- Recognise and name different parts of a volcano.
- Locate and name tectonic plates around the world.
- Use an atlas to locate tectonic plates around the world including continents/countries/ key cities on these tectonic plates.
- Investigate the Richter and Mercalli scales and evaluate which is more useful for measuring earthquakes.

the negative destructive side of volcanoes.

Lesson 4

LI: Describe and understand key aspects of physical geography in the context of earthquakes

We will look at how the Earth is split into tectonic plates and why earthquakes are more likely to be felt along fault lines. We will identify these on a map.

Lesson 5

LI: identify how to stay safe in an earthquake

We will recap our knowledge on tectonic plates from last lesson and start to consider what people can do to keep themselves safe in an earthquake.

Lesson 6

LI: locate famous mountains on a world map

We will name some of the most famous mountains in the world and explore where they are in the world. We will look at some of the features of these mountains. We will name the highest mountain in the world and the highest in the UK.

Science

Rocks and Soil



Rock
Stone
Solid
Layers
Soil
Soft
Hard
Rough
Smooth
Igneous
Sedimentary
Metamorphic
Human-made
concrete
permeable
impermeable
density
durable

Key Knowledge:

- There are different types of rocks that have been created in different ways
- Some rocks (e.g concrete) is human-made
- Rocks can be grouped into three categories (igneous, sedimentary & metamorphic)
- fossils are the remains of an animal or plant such as bones, shells or leaves
- there are 3 types of fossils (body, trace & chemical)
- Mary Anning found lots of fossils that helped scientists understand prehistoric creatures

Key Skills:

- Group rocks into categories based on their qualities
- Explain how a fossil is formed
- Identify what soil is made from
- Understand the ways that soil changes all the time
- Know how to make and look after compost

Lesson 1

LI: compare different type of rocks

We will consider where we may find different types of rocks in school and in nature. We will use adjectives to describe the rocks and discuss the similarities and differences between different types. We will group different types of rocks into categories.

Lesson 2

LI: group rocks based on their properties

We will run investigations to explore the density, permeability and durability of different rocks to be able to group them correctly.

Lesson 3

LI: explain how fossils are formed

We will explore different types of fossils and research how they are formed. We will consider what this can tell us and how they may help scientists.


Lesson 4


LI: explain Mary Anning's contribution to palaeontology

We will link back to our learning from last lesson to explore fossils further. We will explore the work of Mary Anning and recognise how her findings helped palaeontologists.

Lesson 5

LI: explain how soil is formed

			We will look at the different layers of the ground and consider the components in each layer. We will look at ways the soil is changing all the time from interaction with different elements.
<p>Re Hinduism Diwali</p> 	<p>Diwali Hinduism Festival of Light Belonging Rama & Sita Temple Rangoli patterns Community celebration</p>	<p>Key Knowledge:</p> <ul style="list-style-type: none"> - Diwali is the Hindu festival of light - Diwali celebrates the new year in the Hindu calendar - Diwali is celebrated around the world by Hindus - There are lots of parts to the celebrations. - <p>Key Skills:</p> <ul style="list-style-type: none"> - Retell the story of Rama and Sita - Explain how Hindus celebrate Diwali - Understand how Diwali gives a sense of belonging to Hindus 	<p>Lesson 1 <u>LI: understand what is meant by the term belonging and consider how we are made to feel like we belong</u> We will consider what it means to belong to something. The children will work in groups on something they all agree on to feel a sense of belonging.</p> <p>Lesson 2 <u>LI: retell the story of Rama and Sita and explain it's importance to the Hindu celebration of Diwali.</u> We will listen to the story of Rama and Sita and identify why it is important to the Diwali celebrations. The children will retell the story using a comic strip, highlighting the most important aspects.</p> <p>Lesson 3 <u>LI: understand how Hindus celebrate Diwali at home and in the temple</u> We will watch and listen to Hindu children preparing for Diwali and understand what different things Hindus do to celebrate Diwali.</p>

			<p><u>Lesson 4</u> <u>LI: consider whether celebrating Diwali at home or in the community gives a Hindu child a sense of belonging</u> We will consider the thoughts and views of Hindu children and why Diwali is important to them and their community.</p> <p><u>Lesson 5</u> <u>LI: create Rangoli patterns</u> We will look at different ways of celebrating Diwali and create our own Rangoli patterns</p>
<p>DT <i>Moving Monsters</i></p> 	<p>Pneumatic Moving parts Design Evaluate Instructions Method materials</p>	<p><u>Key Knowledge</u></p> <ul style="list-style-type: none"> - Air can be used to change the shape and location of static objects <p><u>Key Skills</u></p> <ul style="list-style-type: none"> - Design a moving toy with different materials - Evaluate a design and suggest areas to improve 	<p>Based on the fire fiend from our class story '<i>The Firework Maker's Daughter</i>', the children will design and build a moving monsters using various materials. They will explore different ways to make the objects using air to manipulate it.</p>

<p>Computing <i>Programming with Kodu</i></p>	<p>Programming Program conditions Scoring system Players Mouse controls Drag Scroll Orbit Centre sizing</p>		<p>We will use Kodu to explore programming. We will learn to use the software to create lands and move characters. We will use these skills to create different games for others to play.</p>
<p>PSHE <i>Health and Wellbeing – Emotions</i> <i>Living in the wider world –</i> <i>Economic Awareness</i></p>	<p>E-Safety Online Safe Secrets Privacy Sharing</p>	<p><u>Key Knowledge:</u></p> <ul style="list-style-type: none"> - Families can look different to our own and can sometimes change - My feelings and emotions are important and should be respected <p><u>Key Skills:</u></p> <ul style="list-style-type: none"> - Develop strategies for managing and controlling strong feelings and emotions - Identify strategies to respond to negative behaviour constructively and ask for help - Listen to, reflect on and respect other people's views and feelings 	<p>We will discuss and explore how to talk and share about our different emotions, understanding how different events in life e.g loss/separation can impact how we feel.</p> <p>We will explore what different families can look like and that love is a fundamental part of all families.</p>