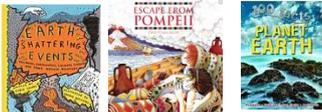


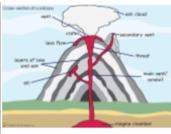
Medium-Term Planning Format		
Cohort	Year 4	
Enquiry Question (QUESTIONING)	What rocks our world?	
Enquiry Driver	Geography	
Enquiry Enhancer	Science	
Main Enquiry Theme	Human and physical geography <i>(Identify where in the world volcanoes are formed and describe the key aspects of volcanoes)</i>	
National Curriculum Objective	<p>Geography</p> <p>Pupils should be taught to:</p> <ul style="list-style-type: none"> Identify the human and physical geography describe and understand key aspects of: physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle. <p>Science</p> <p>Pupils should be taught to:</p> <ul style="list-style-type: none"> Compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) 	
Key Knowledge and Skills (driver)	<ul style="list-style-type: none"> Can I explain what causes an earthquake? Can I label the different parts of a volcano? Can I ask and answer geographical questions about the physical and human characteristics of a location? Can I describe key aspects of physical geography, including mountains, volcanoes and earthquakes? <p><i>(Children may use art-collage- as a form to show their understanding of the parts of a volcano)</i></p>	
Key Knowledge and Skills (enhancer)	<ul style="list-style-type: none"> Can I compare and group materials based on their states of matter, i.e. liquid, solid or gas? Can I explain what happens to materials when they are heated or cooled? Can I measure the temperature at which different materials change state? 	
Main Text	<ul style="list-style-type: none"> Earth Shattering Events -Robin Jacobs Escape from Pompeii –Christina Balit 100 facts Planet Earth-Peter Riley 	

<p>Main Writing Genre</p>	<p>Narrative</p> <p>Newspaper Report</p>	<p>Children to write an alternative ending to 'Escape from Pompeii'.</p> <p>Children to write a newspaper report about a volcanic eruption and the devastation caused.</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>NARRATIVE</p> <p>Opening-Setting</p> <p>Build up</p> <p>Problem/dilemma</p> <p>Build up</p> <p>Problem/dilemma</p> <p>RESOLUTION</p> <p>CONCLUSION</p> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>NEWSPAPER</p> <p>HEADLINE</p> <p>Byline: (The name of the person who wrote the article)</p> <p>Lead (Who?, What?, Why?, Where?, When?, How?)</p> <p>Main Body (Who?, What?, Why?, Where?, When?, How?)</p> <p>Sources (what people said)</p> <p>Photo/caption</p> </div> </div>										
<p>Enquiry Hook (Questioning) [Experiences/experts]</p>	<p>An introduction to the topic children will watch the 'Volcano' episode from the Planet Earth</p>											
<p>Subsidiary Enquiries</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">LC1</td> <td>What is a volcano and how is it formed?</td> </tr> <tr> <td style="text-align: center;">LC2</td> <td>Where can we find volcanoes?</td> </tr> <tr> <td style="text-align: center;">LC3</td> <td>What causes a volcano to erupt?</td> </tr> <tr> <td style="text-align: center;">LC4</td> <td>What is the structure of a volcano and what does it look like from the inside?</td> </tr> <tr> <td style="text-align: center;">LC5</td> <td>Are there different types of volcanoes?</td> </tr> </table>		LC1	What is a volcano and how is it formed?	LC2	Where can we find volcanoes?	LC3	What causes a volcano to erupt?	LC4	What is the structure of a volcano and what does it look like from the inside?	LC5	Are there different types of volcanoes?
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LC5	Are there different types of volcanoes?											
<p>Reflection of Learning (SHARING)</p>	<p>Children to produce their own 'Learning Experience' eg: DT- Volcano, artwork, leaflet, song, Powerpoint.</p>											
<p>Potential Sticky Knowledge</p>	<ul style="list-style-type: none"> • The word volcano originally comes from the name of the Roman god of fire, Vulcan. • Volcanic eruptions can send ash high into the air, over 30km (17 miles) above the Earth's surface. • There are 1,500 active volcanoes in the world and about 50 volcanoes erupt every year! • Most volcanoes can be found in countries that have coastlines on the Pacific Ocean – this is called the Ring of Fire. • Volcanoes are like giant safety valves which release the pressure that builds up inside the Earth. • Volcanoes can trigger tsunamis, floods, earthquakes, mudflows and rock falls. • Volcanoes produce rich, fertile soil for growing crops and a unique volcanic rock called Pumice which can float in water. • Lava can reach an amazing 2282 degrees Fahrenheit (1250 degrees Celsius) and can burn everything in its path. 											

Knowledge Organiser

Year 4 Knowledge Organiser (Autumn 1): What rocks our world?

Subject Specific Vocabulary	
Active Volcano	is erupting or has recently erupted and is likely to erupt again.
Composite Volcano	Steep slopes formed from thick sticky lava that doesn't flow far.
Dormant Volcano	is one that has not erupted for 10,000 years but could erupt again.
Eruption	The ejection of rock and gas from a volcano.
Extinct Volcano	hasn't erupted for that last 1,000,000 years and will probably never erupt again.
Lava	Molten, fluid rock that is ejected from the volcano and solidifies as it cools.
Magma	Molten rock beneath the Earth's surface.
Shield Volcano	Gentle slopes formed from runny lava.
Vent	Opening in the top or side of a volcano where lava erupts.
Volcano	Opening or cracks in the lithosphere where magma from inside the Earth can escape onto the surface.



Exciting Books



Sticky Knowledge about uses of everyday materials	Learning Challenge
<p>The word volcano originally comes from the name of the Roman god of fire, Vulcan.</p> <p>Volcano eruptions can send ash high into the air, over 20km (17 miles) above the Earth's surface.</p> <p>There are 1,500 active volcanoes in the world and about 50 volcanoes erupt every year!</p> <p>Most volcanoes are in the Pacific Ocean - this is called the Ring of Fire.</p> <p>Volcanoes are like giant toothpaste tubes that release the pressure which builds up inside the Earth.</p> <p>Volcanoes can trigger tsunamis, floods, earthquakes, mudflows and rock falls.</p> <p>Volcanoes produce rich, fertile soil for growing crops and a volcanic volcanic rock called Pumice which can float in water.</p> <p>Lava can reach an amazing 1281 degrees Fahrenheit (320 degrees Celsius) and can burn anything in its path.</p>	<p>LC1 What is a volcano and how is it formed?</p> <p>LC2 Where can we find volcanoes?</p> <p>LC3 What causes a volcano to erupt?</p> <p>LC4 What is the structure of a volcano and what does it look like from the inside?</p> <p>LC5 Are there different types of volcanoes?</p>



Other curriculum areas which are to be taught discretely:

Religious Education

What does it mean to live in a Hindu community today?

- Can I find out about the terms 'dharma', 'Sanatan Dharma' and 'Hinduism' and say what they mean?
- Can I make links between Hindu practices and the idea that Hinduism is a whole 'way of life' (dharma)?
- Can I describe how Hindus show their faith within their families in Britain today? (e.g. home puja)
- Can I describe how Hindus show their faith within their faith communities in Britain today? (e.g. arti and bhajans at the mandir; in festivals such as Diwali)
- Can I identify some different ways in which Hindus show their faith? (e.g. between different communities in Britain, or between Britain and parts of India)
- Can I raise questions and suggest answers about what is good about being a Hindu in Britain today, and whether taking part in family and community rituals is a good thing for individuals and society, giving good reasons for my ideas?

PSHCE

Understanding me/Understanding others

- What's that feeling I have?
- What do I do when my friend is cross?
- How do I compromise?

(see Talking Points curriculum for the full programme breakdown)

Music

See The Charanga programme for an in-depth overview of the National Curriculum links, key outcomes, learning challenges and skills.

Unit 1- Mamma Mia

Physical Education

Invasion games- Emphasis on sending and receiving using hands or feet.e.g. football, handball and netball.

- Can I make up my own rules for simple invasion games and modify and change them?
- Can I select and apply different tactics in an invasion game?
- Can I keep possession for a reasonable length of time without being meant by an opponent?
- Can I select and use appropriate skills and simple tactics in invasion games?
- Can I work cooperatively in a team showing good team work skills?

Computing	<p><i>See DB Primary Programme for an in-depth overview of the National Curriculum links, key outcomes, learning challenges and skills.</i></p> <p>Unit 19: Information Technology and Programming</p>		
MFL	<p><i>See The Primary Languages Network programme for an in-depth overview of the National Curriculum links, key outcomes, learning challenges and skills.</i></p> <p>Welcome to School Super Learners</p>		
Additional Links	British Values	Outdoor Learning	Community
	Citizenship (Beever Pledge)	Global Neighbours	Home Learning
		<p>How does living near a volcano effect people's lives?</p>	<p>Children to research information about other natural disasters and create posters, fact files or presentations.</p>