

Year 4 Summer 1: Volcanoes and Earthquakes



This half term we will be exploring Volcanoes and Earthquakes. We will be exploring the structure of the Earth and what happens at the boundaries between the Earth's plates. With the help of a volcano expert we will be looking at the key features of a volcano and using maps to locate them and famous earthquakes

in the world. We will explore what it is like to live near a volcano or earthquake and the effects of an eruption on humans including the advantages and disadvantages of living near a volcano.

Significant People

Lucy King—Foundation Scientist, Satellite Imagery Team, Met Office

Maurice and Katia Krafft—
French
volcanologists and
filmmakers



Shelterbox charity workers



Main enquiry questions

- What lies beneath the surface of the Earth?
- What happens when the Earth's plates meet?
- What goes on inside a volcano?
- What can we learn from some famous earthquakes?
- What can I find out about real volcanoes?
- How do earthquakes affect people and places?
- What help do people need before and after an earthquake?
- What could you do if an earthquake happened?
- What happens when a volcano erupts?
- What would it be like to live near a volcano?

Key Concepts

The following are the key concepts for this unit:

Place, Environment, Location, Scale
Distribution, Interdependence, Processes,
Change, Interaction and Diversity

English Texts

This term in English we will be studying the

following texts:

Escape from Pompeii

Maths learning

This term in Maths we will be studying:

Decimals

Money

Time









Geography	Science	Art	PE	Music	RE	Computing	French	PSHE
Volcanoes and earthquakes— What would it be like to live near a volcano?	Changing States— solids, liquids and gases—linked to volcanoes	Sculpture, struc- ture, inventive- ness and determi- nation	Football— defence, attack, passing, games	Using glocken- spiels	For Christians, when Jesus left, what was the impact of Pente- cost?	Creating media— photo editing. Develop an understanding of how digital images can be changed and edited, and how they can then be resaved and reused.	Viva les sports!	Safety and the changing body and Citizenship.

Our Curriculum Elements for this half term.



Trips, activities and or visits this term:

Environmental workshop—Resource Futures
Workshop

Learning Hook		Mock video of a volcanic eruption on the school field—What would the children do?
Fieldwork and living history.		STEM videos of volcanic eruptions and what is below the surface of the Earth.
Written outcome		What would it be like to live near a volcano?
Creative Outcome		Volcano sketches and diagrams.
Adventure (Activities in Adventure Island)		Artwork linked to birds and the symbolism of migration.
Play Project		Play project around our Natural Earth.
Celebration		Let's celebrate our Natural World—Volcanoes.
Retrieval Practice		What would it be like to live near a volcano?



Learning & growing together,
taking every opportunity.

RESPECT - ADVENTURE - ACHIEVE

Curriculum Overview: Year 4 Summer 1:

Volcanoes & Earthquakes



Spellings for Summer Term (1)

Week 1

ascent
crescent
descent
discipline
fascinate
scene
scent
science
scissors

Week 2

collision
confusion
decision
division
erosion
fusion
invasion
passion
pension
television

Week 3

babies'
boys'
children's
dogs'
girls'
men's
parents'
people's
rabbits'
women's

Week 4

accept
ball
bawl
berry
brake
break
bury
except
fair
fare

Week 5

knot
mail
main
male
mane
meat
medal
meddle
meet
missed
mist
not

Week 6

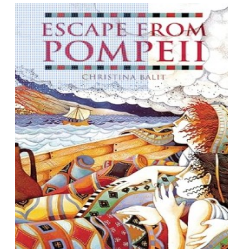
therefore
though
thought
through
various
weight
woman
women

Week 7

KEY TEXTS:

Escape from Pompeii

– Christian Balit

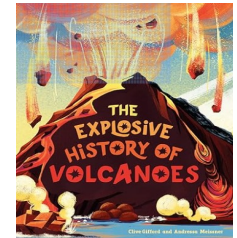


Join Tranio, the son of an actor, and his friend Livia, the baker's daughter, in witnessing the eruption of Mount Vesuvius in AD79. Tranio, like most Roman boys, likes to watch whatever is going on: tradesmen selling their goods, ships unloading their exotic cargoes, politicians making speeches in the forum. But one hot August day a very different scene unfolds. The ground begins to shake, the sky to darken. People run gasping for air. Heading for the harbour, Tranio and his friend Livia hide on a boat and witness one of the most terrifying moments in recorded history-the eruption of Mount Vesuvius and the destruction of their beloved city, Pompeii.

The Explosive History

Of Volcanoes—

Clive Gifford



Spewing out fountains of red-hot lava and toxic plumes of smoke, volcanoes are dangerous and deadly. But every volcano is different - in shape and size, location and destructiveness. The Explosive History of Volcanoes explains the Volcanic Explosivity Index giving examples of more than 25 of the most, and least, explosive volcanoes in history and in the world today. Find out about these amazing natural phenomena and see how they're formed, where they are in the world and why some explode so violently. Discover why people live so close to volcanoes and how scientists are helping to predict when the next eruptions might occur.