

Key Questions

What do we know about volcanoes and earthquakes? -

What is beneath our feet?

How do earthquakes happen?

How do we know about earthquakes?

How does magma travel through a volcano?

Where are different volcanoes located?

Studying Pompeii

How does the news report on natural disasters?

Assessment Questions:

What causes earthquakes and volcanoes?

How does this affect humans, animals and plant life?

Useful Websites

National Geographic

<https://kids.nationalgeographic.com/explore/science/volcano/>

STEM

<https://www.stem.org.uk/resources/community/collection/284761/earthquakes-and-volcanoes>

BBC

<https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zd9cxyc>

Royal Geographic Society

<https://www.rgs.org/schools/teaching-resources/mountains,-volcanoes-and-earthquakes/>

Teachwire

<https://www.teachwire.net/teaching-resources/volcano-and-earthquake-science-experiments-booklet-for-ks2>



Year 4 Spring Term



Volcanoes and Earthquakes

GEOGRAPHY KNOWLEDGE

HUMAN AND PHYSICAL GEOGRAPHY

Describe and understand key aspects of:

Physical geography, including: climate zones, volcanoes and earthquakes, and the water cycle

Human geography, including: types of settlement and land use

Make appropriate observations about the location of features.

Describe patterns in our local landscape.

Why are places like that and how do they change?

Identify changes in the environment.

Begin to understand how people both damage and improve their environment

Super Start:

Fake earthquake

Trip or Visitor or Event:

Natural History museum Earthquakes and/volcanoes exhibition

Fabulous Finish/Outcome:

Self-made circular information book

Related Read Aloud Texts:

Amazing volcanoes Around The World by Simon Rose.

Volcanoes by Stephanie Turnbull

Volcano by Susanna Van Rose

SCIENCE

Year 3 link to Rocks and Soils

Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties

Year 4 Solids Liquids and Gases

To know that that some materials change state when they are heated or cooled.

Living things and their habitats

Recognise that environments can change and that this can sometimes pose dangers to living things

Working scientifically

Raise their own questions about the world around them.

Make their own decisions about the most appropriate type of scientific enquiry they might use to answer questions

ART AND DESIGN – volcano art

Drawing

patterns

Painting

pattern painting with different media

ART FOCUS/OUTCOMES

TEXTILES

ARTIST FOCUS

HISTORY SKILLS

- How has the world changed because of earthquakes and volcanoes?
- Volcanoes in the past- What volcanoes have erupted in the past?

AREAS NOT LINKED

COMPUTING

Intro to Scratch

Typing Tutor

PSHE

Healthy

Relationships

RE

Beliefs

FRENCH/SPANISH

Greetings

Phonics

Festivals

MUSIC

Ukulele lessons

PE

Games: ball skills

Gymnastics:

OTHER RELEVANT LINKS

COMPUTING

Research

Presentation

FRENCH/SPANISH

Relevant themed

vocabulary

DESIGN & TECHNOLOGY

STRUCTURES Focus

Make a Greenhouse, design and evaluate

Skills:

Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.

Select from and use a wider range of tools and equipment to perform practical tasks accurately (tenon saw, bench hook, craft knives etc).

Join and fix manufactured boards and plastics.