

Term: Spring 1 2023/24 Year Group: 5

**Learning Challenge Question: What makes the Earth angry?**

**WOW – Playdoh Earth making – photograph and label on ipads.**

**Week 1: Why are climates different?**

WOW – Playdoh Earth.

GEOGRAPHY LI: I can explain why different regions have different climates.

SCIENCE LI: I can explain how animals have adapted to their environment.

Show the effect of extreme climate and weather around the world. Locate places using an atlas and show on a map. Use the map to explain why this extreme weather happens. Discuss which animals live in these environments and how they have adapted.

**Week 2: How important is the Water Cycle?**

GEOGRAPHY LI: I understand how the water cycle works and why it is important.

GEOGRAPHY LI: I can explain different types of storms around the world.

Discuss the Water Cycle and how it is linked to droughts and storms.

**Week 3: What causes the ground to shake?**

GEOGRAPHY LI: I know that the ground can move in different ways along a fault line.

GEOGRAPHY LI: I understand the effect Earthquakes can have on communities.

Look at where most Earthquakes occur. Think about the different ways the Earth can move and what this can cause. Look at recent Earthquakes (Japan) and what impact this has had on society. Link to Tsunamis.

**Week 4: A mountain or a volcano?**

GEOGRAPHY LI: I understand what a volcano is and that there are three different types.

GEOGRAPHY LI: I can label the parts of a volcano

Research famous volcanoes and the impact they have had.

**Week 5: What can fossils tell us?**

SCIENCE LI: I understand about the theory of evolution.

SCIENCE LI: I can explain why evidence support the theory of evolution.

Research the theory of evolution and how fossils have helped us to understand this. Look at evidence and suggest how this support the theory.

**Week 6: Reflection week**

LI: I can reflect on my learning and recall key information.

ENGLISH: The Write Stuff:

Narrative: Anthony Browne – Zoo (Ind: Gorilla)

Poetic Writing: The Malfeasance (Ind. Natural Disaster Poem)

RE: If God is everywhere, why go to a place of worship?

French: Telling the time and Food

**DRIVER: Geography**

**Knowledge**

**Natural Disasters**

**Locational knowledge:**

- know the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn.
- know the location of the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America.

- know environmental regions, physical characteristics, countries, major cities.

**Human and physical geography:**

- understand physical geography, including climate zones, volcanoes and earthquakes, and the water cycle.

**Skills**

- I can use maps, atlases, globes and digital/computer mapping to locate countries.
- I can build my knowledge of the UK and the wider world using maps.
- I can use the eight points of a compass.
- I can use six-figure grid references.
- I can use symbols and key on Ordnance Survey maps.
- I can observe, measure and record human and physical features in my local area.
- I can use sketch maps, plans, graphs and digital technologies in my fieldwork.

**Science**

**Knowledge and Skills**

- describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird describe the life process of reproduction in some plants and animals.
- describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals
- give reasons for classifying plants and animals based on specific characteristics.

**Computing**

**Knowledge and Skills**

- When researching topics, evaluate sources to determine their reliability and value
- When researching topics, understand how to use online sources without plagiarising; find and record information about a topic from a variety of online sources
- Understand and discuss how search engines work; use a variety of search engines and compare their functionality
- Use technology responsibly, securely and safely, understanding dangers as well as the benefits of the internet and media
- Understand the difference between and compare online and offline applications (ie. Microsoft, Paint, etc vs GSuite, my.USO, Adobe Cloud, etc)
- Understand how the internet and computer networks work (Modelling the Internet - Barefoot Unplugged Lesson)  
Use technology responsibly, securely and safely, understanding dangers as well as the benefits of the internet and media

**Homework:**

What do you know about Natural Disasters?