Term: Spring Term 1 2023/2024 Year Group: 6

Learning Challenge Question: What makes the Earth angry?

WOW – Creating our own volcano.

Week 1: Why does it erupt?

GEOGRAPHY LI: I can identify the different types of volcanoes.

GEOGRAPHY LI: I can explain why a volcano erupts.

Learn about the features of volcanoes and their formation. Discover how they are distributed around the world.

Week 2: **What is the role of plate tectonics in the formation of earthquakes?**

GEOGRAPHY LI: I can identify where earthquakes are likely to happen and why.

GEOGRAPHY LI: I can understand that earthquakes have different magnitudes and these impact differently.

Using maps to focus on North and South America, concentrating on key physical and human characteristics. Understand geographical similarities and differences through the study of a region within North and South America. Physical geography: Describe and understand key aspects of physical geography, including earthquakes. Geographical skills and fieldwork: Use maps and digital/computer mapping to locate countries and describe features.

Week 3: What are the effects of a Tsunami?

GEOGRAPHY LI: I can explain how Tsunamis are formed and how you can predict them.

GEOGRAPHY LI: I can explain the economic and environmental effects of Tsunamis.

Children to conduct and present research into tsunamis.

Understand the lines of latitude and longitude are imaginary lines that you see on maps. They divide the world up so you can give an exact location.

Week 4: Why do we have vertebrates?

SCIENCE LI: I can explain the scientific concept of inheritance.

SCIENCE LI: I can demonstrate understanding of the scientific meaning of adaptation.

Sort characteristics of humans into groups of 'inherited characteristics' and 'acquired characteristics'.Classify living things along with their habitats and adaptive traits. Sort a variety of evolutionary ideas into different categories. Make comparisons between a modern-day human and fossil skeletons of those believed to be ancestors in human evolution.

Sort advantages and disadvantages of adaptive traits.

Week 5: Reflection Week

I can reflect on what I have learned.

English Text: The Big Picture: Extreme Earth by Jon Richards

RE – Is it better to express your religion in arts and architecture or in charity and generosity?

MFL – Where do I live? (Houses, holidays and hobbies)

Homework: Look at different types of natural disaster/historical events.

Driver: Geogrpahy

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 their environmental regions, key physical characteristics, countries, and major cities.

Human and physical geography:

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

UKS2

Geographical skills and fieldwork

- 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 and graphs as well as digital technologies in my fieldwork.

Science

UKS2 Evolution and Inheritance

- 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.

UKS2

- I can use scientific knowledge and experience to raise new questions.
- I can select and plan most appropriate type of scientific enquiry to answer scientific questions.

I can use secondary sources to help answer questions through research.