



Natural Disasters

Year 5

Spring 1

Study overview

A study of how the global geological systems which create mountains, volcanos and earthquakes. The children will also study global weather systems that create tsunamis, monsoons and Hurricanes. The children will also explore the effect of these occurring within communities around the world.

Key Vocabulary

Geography: active, aftershock, ash, crater, crust, dormant, earthquake, epicentre, eruption, extinct, faultline, fertile, hemisphere, igneous, lava, magma, magnitude, mantle, metamorphic, molten, plate tectonics, pressure, pyroclastic flow, range, Richter, sedimentary, seismography, structure, summit, tectonic plate, tsunami, upper mantle, valley, vent, volcano

National Curriculum Objectives

Describe and understand key aspects of:

- physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle
- human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water
- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

Knowledge to be gained

To know:

- the processes that give rise to key physical geographical features of the world including: volcanoes, earthquakes and tsunamis
- how physical geography such as mountains are shaped by these phenomenon
- the names and locations of some of the biggest volcanoes and fault lines in the world
- the understand the structure of the planet
- that continents have changed over time due to plate tectonics

Key Texts

- Floodland by Marcus Sedgwick (main class text)
- The Jamie Drake Equation by Christopher Edge
- Swimming Against the Storm' by Jess Butterworth
- Pompeii: My Story by Sue Reid

Key Experiences

- Trip to National Space Centre in Leicester.

Linked learning in English and Grammar

News Report of a Natural Disaster – direct and indirect speech, formal tone, fact versus opinion, past tense, third person, passive voice.

Diary Entry – past tense, first person, informal style, time conjunctions, parenthesis (dashes).

Linked learning in Art and Design

Block printing linked to The Great Wave off Kanagawa by Hokusia

Linked learning in Design Technology

Building bridges – making earthquake safe structures

Linked learning in Science

Materials and their properties (part 2)
Space

Linked learning in History

Discover the way that ideas about our solar system have developed over time with regards to the geocentric and heliocentric models, considering work from scientists such as Ptolemy, Galileo and Copernicus.

Linked learning in Music

Charanga- Make You Feel My Love
Classroom Jazz

Linked learning in PSHE

Jigsaw – Dreams and Goals

Linked learning in Physical Education

Indoor: Gymnastics (Counter Balance)
Outdoor: Netball

Linked learning in Religious Education

Teaching & Authority: **ISLAM**
What does the Qur'an reveal to Muslims about Allah and his guidance?

Linked learning in Computing

Purple Mash: Coding (space simulation)

Linked learning in MFL

Kapow scheme: Space explorations- in French