

Learning Themes Title: Dangerous Earth

Overview

In this theme we will be learning about a range of natural disasters around the world. The **geographical focus** of this learning theme will involve finding out where natural disasters occur and the impact they have on the people who live there and its landscape. We will develop their understanding of how natural disasters occur by taking a close look at the structure of the Earth. In **Art** children will be studying the work of Andy Warhol and his use of block colour. In **design technology** children will be designing and making a 3D model showing a natural disaster. The **historical focus** will be to study the eruption of Mount Vesuvius and its impact on the towns of Pompeii and Herculaneum.

Content

- Identify disaster 'hotspots' around the world
- Learn about the structure of the Earth and the geographical process of 'Plate Tectonics' and how mountains are formed
- Compare climate data between two contrasting localities (UK and South America)
- Research a case study of a natural disaster (children choose one)
- Geographical enquiry based on the San Andreas Fault
- Web based research on natural disasters (Computing)
- Using Excel to build spreadsheets (Computing)
- Construct line graphs to display data based on climate in two contrasting localities (maths)
- The eruption of Mount Vesuvius and the destruction of Pompeii and Herculaneum (history)
- Andy Warhol's interpretation of Mount Vesuvius (art)
- Design and make a 3D model showing how a natural disaster occurs (design and technology)
- PSCE unit entitled 'Taking Risks' (mainly focusing on the harmful effects of smoking, alcohol, drug and solvent abuse)

Key areas of learning

- To use maps to locate continents and countries around the world (geography)
- Developing children's understanding of the location and characteristics of the world's most significant physical features (geography)
- Developing children's understanding of different physical processes (Plate Tectonics, mountain formation, volcano formation, the cause and effect of earthquakes) (geography)
- Developing children's understanding of a significant historical natural disaster and using evidence to understand how the past has been interpreted (history)
- Using a scaled grid to accurately re-create a piece of art from a well-known artist (art)
- Plan, design and make a model using tools and materials with accuracy (design and technology)