

Medium term planner - Earth: Our unique planet and On and away!

Title and duration: Earth: Our unique planet

Year group: 5

Description: The theme is linked heavily to the longer theme of our Earth in space and forms part of an 'extended' chapter looking in more detail at the way our Earth works. The children will study in detail where volcanoes mainly occur, the way in which they are formed and what happens during an eruption. An extended homework task will enable the children to find out about earthquakes and link them to their knowledge of volcanoes. Following this will be a PDL unit looking at environmental issues (including Fairtrade). During this term we also incorporate a residential trip to Fairthorne Manor where the children have the opportunity to face challenges and learn to work together collaboratively whilst enjoying the outdoors.

Hook: Our Volatile Planet - The children will have a visit from the Science Dome to have the opportunity to watch a volcano erupting in 3D and to find out more about the rocks and precious metals created by this phenomenon. **Our Precious planet** - The children will start by exploring the book *The Window* to stimulate discussion.

Learning value 1:
Independence

Quality Texts: *The Window*, *My mind* (poem)

PDL:

Through the residential trip to Fairthorne Manor and the eco warrior's visits; the children will have the opportunity to increase their independence and to face challenges both socially and physically. We will cover a unit on puberty during this term and link it to the whole idea of being open to change and growing up. **The children will look** at the impact that humans have on the Earth. They will investigate issues such as population growth and waste. This will link to RE - Stewardship

Geography:

The children will learn about earthquakes and volcanoes and how they are linked through plate tectonics. They will learn about the sequence of a volcanic eruption and the positive and negative aspects of living nearby. This learning will encourage children to consider the wide variety of places and the natural wonder of our world.

Literacy:

Persuasion - Children will use the link to the Paddington theme to write a guide to London persuading other bears to visit the capital!
Instructions - Children will write instructions for 'How to become a super volcano,' they will also be able to write instructions for one of the activities they undertook at Fairthorne or Marwell, using first-hand experience.
Poetry - write a metaphor poem about volcanoes.
Performance Poetry - the children will write and perform their own poems based on volcanoes and earthquakes and learn a poem by heart for homework.

Application subject: P.E. The children will create a dance based on the story of the volcanic eruption of Pompeii. They will use ribbons as props to support the visual aesthetics of the piece.

Application subject: Art

The children will create their own collage of a volcano, using a variety of materials for effect.

Outcome: The children will spend 3 days either at Fairthorne Manor, staying overnight and facing a variety of challenges which they are supported and encouraged to overcome (such as climbing, abseiling, staying away from home) or with the eco warriors will take a trip to Marwell Zoo and work together in different social groups. They will learn about endangered species and consider how to protect and conserve them. They will also produce a topic book showcasing all of their work from the term.

Potential links to local, national, international communities:

Volcano Dome Hook - Outside Company

RRR and Values Links:

Environmental links and Harmony.

Home study: The children will produce detailed Earthquake research and will be given the opportunity to share this with their class.