

# Year 6

## Spring Term 2024 On Shaky Ground

This term we are exploring the question **'Are volcanoes more dangerous than earthquakes?'**

Through Geography, we will investigate how volcanoes and earthquakes are formed, learning about tectonic plates. We will identify their different features, understand how they are measured and consider their impact on the world today. We will also research different ways to predict and prepare for earthquakes. Our artwork will continue the volcanoes theme, exploring and recreating the work of the famous artist Andy Warhol and especially his screen print, Vesuvius. We will sketch, paint and then print our own volcanoes using wax resist technique.



### Useful Websites

- BBC Bitesize—Geography—Explore Volcanoes and Earthquakes
- BBC Teach—What happened when Vesuvius erupted
- School Learning Zone—Angry Earth
- Volcano Discovery—interactive map of active volcanoes and recent earthquakes

### Suggested Reading

- Earth Shattering Events by Sophie Williams
- Escape from Pompeii by Christina Balit
- Night of the Howling Dogs by Graham Salisbury
- Holes by Louis Sachar
- You Wouldn't Want to Live in Pompeii by David Antram

### Suggested Experiences

- Natural History Museum—Volcanoes and Earthquakes Gallery
- Make your own erupting volcano model—YouTube
- Create your own earthquake proof building—YouTube
- Holiday to Pompeii or Iceland or Hawaii!!

## Maths

- Number and Place Value
- Calculations and problems
- Fractions, decimals and percentages
- Geometry—2D and 3D shapes
- Measures— including time and volume
- Algebra, ratio and proportion
- Statistics

## English

- Newspaper report—The Giant's Necklace and Macbeth
- Persuasive speech—Macbeth
- Non-chronological report—Yellow Spotted Lizard
- Narrative—based on 'Holes'

## **Science:** Electricity

**RE:** Wisdom and Salvation

**PSHE:** Dreams and Goals and Healthy Me

**Art:** Drawing, painting and wax resist printing—Vesuvius by Andy Warhol

**Computing:** Variables in games and introduction to spreadsheets

**DT: Mechanical systems** moving toys and scenes

**Geography:** Are volcanoes more dangerous than earthquakes? Tectonics

**Spanish:** Weather and seasons

**Music:** Amazing Machines—pitch and duration

**PE:** Street dance, handball, golf and tag rugby

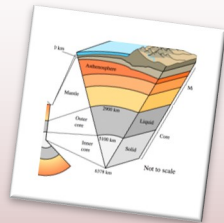
**Outdoor Learning:** Volcano structures, geography of North and South America

## How I can help at home

- Support your child to establish a good homework routine
- Watch Newsround together, especially when there has been a natural disaster like a volcanic eruption or earthquake
- Teach your child to make their bed—in preparation for Grittleton!

## How I can help at home

- World Geography Games—<https://world-geography-games.com/>
- Learn spellings—using website <https://spellingframe.co.uk/>
- Watch Newsround and talk about the issues around the world, especially natural disasters.



## Homework

- At least 20 minutes reading and talking about books—4 times a week
- Practising spelling at least 4 times a week
- Weekly SATs revision for maths, SPaG and reading, using CGP books



## Vocabulary

- **Mantle** - thick layer of the earth's structure between the core and the crust
- **Magma**—molten rock that is found below the earth's surface
- **Lava**—hot, liquefied rock that flows from a volcano or other opening in the surface of Earth
- **Pyroclastic flow**—a dense, fast-moving flow of solidified lava pieces, volcanic ash, and hot gases
- **Tectonic plates**—the Earth's surface is called the crust. It is made up of different rocky sections called tectonic plates, which fit together like a puzzle covering earth