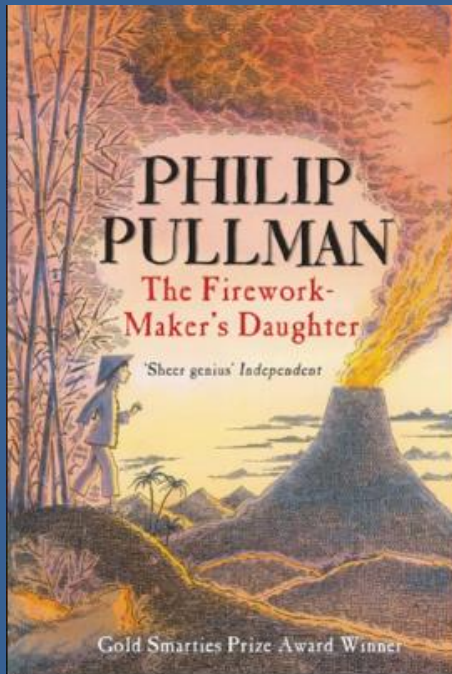


Core school value	Curriculum Key Concept	Trips/enrichment & visitors	Pupil leadership
Responsibility	Ecology and Evolution	Natural History Museum	House Captains and pupil lead clubs

## Term 4 2024 Topic title: Extreme Earth – Natural Disasters

### Key Concept Question: How do natural disasters impact on humans and animals?

#### Core Text



*The Firework-Maker's Daughter, by Philip Pullman, is about the protagonist, Lila, undertaking a quest to Mount Merapi in order to prove herself worthy of becoming a Firework-Maker.*

*Lila doesn't just want to be a Firework-Maker's daughter, she wants to be a Firework-Maker herself. But although she's learned a lot, she still must get through the most difficult and dangerous part of her apprenticeship - and her father won't tell her what it is.*

*In search of this final Firework-Making secret, Lila heads off alone on a journey. It is a journey filled with dangers beyond anything she could have imagined, a journey on which she will learn so much more than the one secret she set out to find. . .*

## English

### Core reading text:

The Firework-Maker's Daughter by Philip Pullman

### Reading:

We will be using texts to complete comprehension style questions: inferring meaning from the text, understanding word meanings, summarising text, retrieving information and making comparisons.

### Writing:

We will discuss the text and use it as a basis for writing. We will write a diary entry, a letter, a newspaper report, a balanced argument report, information booklets, poems and a disaster story.

### EGPS/Spelling:

- Spell /or/ sounds with 'or' and 'au'
- Convert nouns or adjectives into verbs using the suffixes -ate, -ise, -ify, -en
- Identify subject and object in sentences
- Use hyphen in compound words
- Use perfect form of verbs

## History/Geography

### Key enquiry questions:

- What are natural disasters?
- What are human/man-made disasters?
- How is the Earth constructed?
- What are tectonic plates?
- How do tectonic plates move?
- How are volcanoes formed?
- Where are the world's volcanoes located?
- What is the 'Ring of Fire'?
- Why do people live near volcanoes?
- What causes an earthquake?
- Where in the world do earthquakes happen?
- What causes a tornado?
- How are earthquakes and tornadoes measured?
- What do storm chasers do?
- How do natural disasters impact life on Earth?

## Maths

This term, in Maths, we will be focussing on multiplication, division and fractions.

We will:

- Add, subtract, multiply and divide fractions
- Find fractions of an amount
- Calculate ratio
- Use scale factors to enlarge or reduce
- Solve problems involving fractions, ratio and proportion
- Round decimals
- Find equivalent fractions, decimals and percentages
- Order and compare decimals
- Find percentages of an amount
- Add, subtract, multiply and divide decimals
- Convert between metric and imperial units of measurement
- Draw, read and interpret graphs, charts and tables

## Curriculum Subjects

**Art** – create Pop Art volcanoes in the style of Andy Warhol and Rob Osborne

**DT** – design, make and evaluate: a volcano, an earthquake-proof building, a cross-stitch card

**PSHE** – Economic Wellbeing. How do our feelings relate to money?

**French** – 'French verbs in a week' speak in sentences, using familiar vocabulary, phrases and basic language structures

**Music** – 'classroom jazz' listen with attention to detail and recall sounds with increasing aural accuracy, begin to use musical notation

## Outdoor learning

Volcanoes

## Science – Earth & Space (Physics)

**Big Idea: Our solar system is a very small part of one of billions of galaxies in the universe.**

### Key enquiry questions:

- How do we know the Earth, Moon and Sun are spherical?
- How do the planets move in the Solar System?
- What are the Geocentric and Heliocentric theories?
- Why were Copernicus, Galileo and Newton significant?
- How does the Moon orbit the Earth?
- How do we get day and night?
- Why does the moon appear to change shape?

## RE

### Key enquiry question:

What difference does the resurrection make to Jesus?

## Computing

Big Data 1 – data handling

## PE – Dance and Hockey

- Develop dribbling and passing skills.
- Develop control and technique through dance routines.
- Evaluate and improve skills.