



# Nature's Power

## Year 5 Spring Term 2024

### Cotswold

Children will learn about Natural Disasters such as earthquakes, volcanoes and flooding.



**As Geographers**, children will learn about earthquakes and volcanoes. They will locate earthquake countries on world maps and compare this to where the tectonic plates are located. They will learn how volcanoes are formed and locate these. They will learn about one major volcano in detail. Pupils will find out more about why rivers are so important to the towns and villages that have developed on their banks. They will be able to name the different parts of a river and explore why flooding occurs. Children will learn about the effects of natural disasters.

**As Musicians**, we will be learning about soundscapes. Children will listen to a wide variety of music and then begin composing their own. Children will be able to notice, analyse and explore the way sounds can be combined and used expressively.

### English

We will work on spelling rules and strategies and continue to learn the words stipulated in the National Curriculum spelling lists for Year 3&4.

All children will be involved in a daily Shared/Guided Reading session as well as reading as a class every day. Our class text will be *Race to the Frozen North* by Catherine Johnson and *The Last Bear* by Hannah Gold.

During English lessons, we will be focussing on the texts *River Stories*, by Timothy Knapman and *Survivors*, by David Long. The children will use these texts to create setting descriptions, storyboards, a diary entry and create their own adventure story.

From the research they have completed in topic lessons, they will create information posters, explanation texts and a script for their own documentary. Children will also continue to develop their handwriting.

### Science (Enhanced using Pzaz and Explorify)

By the end of the term the children will be able to -

#### Forces:

- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
- Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.
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#### Electricity:

- Understand how to link the way components work to the number of cells in the circuit.
- Know how to draw circuit diagrams from circuits built.

### PSHE

Our values this term are **Compassion** and **Respect**. We will begin the term with the topic 'Staying Safe'. Children will then discover their own 'Rights and Responsibilities.'

### Maths

Children in Year 5 will cover the following topics:

- Fractions:** equivalent fractions, improper fractions to mixed numbers, mixed numbers to improper fractions, number sequences, compare and order fractions less than and greater than one, add and subtract fractions, multiply fractions by a whole number and finding fractions of an amount.
- **Decimals and percentages:** decimals to 2 decimal places; decimals as fractions; understanding thousandths; thousandths as decimals; rounding decimals; comparing and ordering decimals; introduction to percentages; percentages as fractions and decimals; equivalent decimals, fractions and percentages.
- **Measurement (Area):** measure and calculate perimeter and area, understand volume.
- **Measurements:** Converting Units - kilograms and kilometres, milligrams and millilitres, metric units, imperial units, converting units of time.

**Art and DT:** Children will develop their mastery of art and design techniques. Children will be learning about beauty through ephemeral art (lasts for a short time). In DT, we will be exploring structures and looking at designing, making and evaluating our own mini-green houses.

### RE

This term our key questions are;  
 - Are the saints encouraging role models?  
 - Is the resurrection important to Christians?

### PE

Our PE days are Monday and Thursday. We will be doing gymnastics, movement and dance.

### Computing

Our key question this term is:  
 Can we use technology to edit images?  
 We will continue to learn about how to stay safe online. We will code micro:bits for early warning systems, addressing natural hazards and exploring climate change through project-based learning.

### Spanish

We will be learning numbers 1-31, birthdays and recapping our basic vocabulary.