



# Nature's Power

## Year 4 Spring Term 2024

### Cotswold

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



#### 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 sessions as well as reading as 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 and begin to join their writing.

#### Maths

Year 4 will cover the following topics:

**Multiplication and Division:** Recall and use multiplication and division facts up to  $12 \times 12$ , recognise and use factor pairs, multiply 2 & 3 digit numbers by a 1 digit, solve problems.

**Fractions:** Recognise common families of equivalent fractions, count up and down in hundredths and tenths, add and subtract fractions.

**Measurement:** Measure, compare lengths. Finding the area and perimeter of shapes.

#### 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.'

**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.

#### Science

##### States of Matter

- Compare and group materials together, according to whether they are solids, liquids or gases.
- Observe that some materials change state when they are heated or cooled.
- Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

Children will be able to sort materials into solids, liquids and gases, explain that heating causes melting, and cooling causes freezing, identify the melting and freezing point of water and describe evaporation and condensation using practical examples.

Children will take part in a variety of STEM activities. Children will complete a simple fair test and make predictions, record their findings and present them in a variety of ways.

**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:  
- Is a Holy Journey necessary for believers?  
- Should believers give things up?

#### 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 and recapping our basic vocabulary.