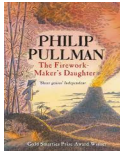


## English

In English, we will be:

- reading books at our level to develop fluency and comprehension
- writing a persuasive letter and designing characters to use in an adventure story based on *The Firework Maker's Daughter*
- using dialogue to convey action and character
- proofreading, editing and improving our work



## Maths

We will be learning to:

- use multiplication facts for the 7 and 9 times tables
- exploring different representations of fractions including equivalent fractions
- represent fractions greater than one
- add and subtract fractions with the same denominator



## Science

Our science topics are **Sound** and **Electricity**. We will be learning to:

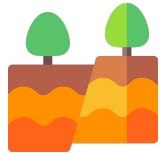
- explain pitch and volume and how they can be altered
- find patterns between the pitch and volume of a sound and the object that produced it
- construct a simple series circuit, identifying parts including cells, wires, bulbs, switches and buzzers
- identify common electrical appliances



## Geography

Our geography topic is **Tectonic Plates**. We will be learning to:

- describe and understand key aspects of mountains, volcanoes and earthquakes
- name the different layers of the Earth and know key features
- explain tectonic plates
- explain why volcanoes and earthquakes happen



## Curriculum Information

new wave  
federation



## Year 4 - Spring 1

## Computing

Our computing topic is **Repetition in Shapes**. We will be learning to:

- design, write and debug programs to control or stimulate physical systems and solve problems
- use sequence, selection and repetition in programs
- explain how simple algorithms work and detect and correct errors



## PE

Our PE topics this term are:

**gymnastics** and **dance**. We will perform in time with a partner and group and use compositional ideas in sequences. In dance, we will use freeze frames in routines and develop a dance to perform as a group with a set starting position. Please ensure your child wears their PE kit including plain black (or white) trainers on their PE days. PE days can be found on their class timetable on the school website.

## RE

Our PSHE topic is **Health and Wellbeing**. We will explore what a growth mindset is and how to view mistakes as part of learning. We will explore ways to be responsible for our own happiness.

Our RE topic is **Sikh Beliefs**. We will learn that Sikhs believe in one God and Sikhism is based upon the teachings of Guru Nanak. We will identify and name examples of Sikh practices and artefacts that demonstrate the Sikh faith.



## Design & Technology

Our design and technology topic is **Pneumatics**. We will be:

- selecting and using appropriate tools to cut and join materials such as tubing, syringes and balloons
- investigate books, videos and products with pneumatic mechanisms
- design, make and evaluate a product with a simple pneumatic mechanism

