

## Maths

### Place value

We will look at numbers to a million and recognise their place value. We will also be rounding to the nearest 10, 100, 1000 and 10,000. Later in the unit we will compare and order numbers and look at negative numbers.

### Addition and subtraction

We will be using the formal written method to add and subtract large numbers.

### Multiplication and Division

We will use a range of methods to multiply 2 and 3 digit numbers moving onto formal written methods. We will use short division to help solve division problems.

### Shape, space and measure

We will begin to look at calculating the perimeter and area of shapes. We will look at using our skills and applying them into real life contexts such as creating floor plans for buildings.

## Writing

In our writing lessons we will look at *The Promise* by Nicola Davies. The text explores current themes through thought provoking illustrations and words.

The children will use this text as a stimulus to develop their own writing based on the themes explored.

We will be writing free verse poems, letters and a setting descriptions. Grammar will be woven into the lessons especially focusing on modal verbs as well as recapping fronted adverbials and subordinating clauses.



## Science

This half term we will be learning about forces. We will learn that, forces are pushes and pulls and that these forces change the motion of an object. Gravity is the force that pulls objects to the centre of the Earth. We will also learn that, Water resistance is the friction that is created between water and an object that is moving through it. In addition to this, we will explore the jobs of leaver's gears and pulleys.

### Key Vocabulary

**Friction:** A force that acts between two surfaces or objects that are moving, or trying to move, across each other.

**Air resistance:** A type of friction caused by air pushing against any moving object.

**Water resistance:** A type of friction caused by water pushing against any moving object.

**Gravity:** A pulling force exerted by Earth or anything else that has mass.

Autumn

Overview

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St. Paul's  
C.E. Primary School  
Together on life's great adventure