

Year 6 Spring Term
What will we learn this term?

English

Our English work this term we are learning how to plan for a range of writing. How to plan paragraphs with topic details and to organise the details.

Our whole class text that we will be reading is called 'The Wolf Wilder' by Katherine Rundell. This story is about a girl called Feo who sets off on a quest with her trusted Wolves to save her mother. Our reading lessons will focus on reading the text fluently and learning and applying a range of comprehension strategies (predicting, clarifying, questioning, summarising and activating prior knowledge) to understand the text.

Maths

Measurements: In this unit pupils will learn more about units of measurements. They will convert units of length in millimetres and centimetres; kilometres and metres; miles and kilometres. They will also convert units of mass, volume and time.

Word Problems: In this unit pupils will use knowledge of problem-solving to solve complex problems and tasks.

Ratio: In this unit, children will be comparing quantities, including numbers, objects, fractions and mass before moving on to solving word problems.

Algebra: Children will learn some of the conventions of algebra in the context of patterns and real-life problems.

Area and Perimeter:

In this unit, children will be exploring how to calculate the area of rectangles, triangles and parallelograms. They will be finding multiple methods for calculating the area of a triangle before finding the area for a parallelogram using the triangle method.

Volume:

Children will be developing their understanding of volume as it relates to cubes and cuboids. Children will be determining the formula for the volume of cubes and cuboids, estimating volumes and calculating total volumes with a formula.

Science

Electrical Circuits and Components: This project teaches children about electrical circuits, their components and how they function. They recognise how the voltage of cells affects the output of a circuit and record circuits using standard symbols. It also teaches children about programmable devices, sensors and monitoring. They combine their learning to design and make programmable home devices.

Computing

Variables in Games:

This unit explores the concept of variables in programming through games in Scratch. First, learners find out what variables are and relate them to real-world examples of values that can be set and changed. Then they use variables to create a simulation of a scoreboard.

Introduction to Spreadsheets:

This unit introduces the learners to spreadsheets. They will be supported in organising data into columns and rows to create their own data set. Learners will be taught the importance of formatting data to support calculations, while also being introduced to formulas and will begin to understand how they can be used to produce calculated data.

Geography

Frozen Kingdom:

This project teaches children about the characteristics and features of polar regions, including the North and South Poles, and includes a detailed exploration of the environmental factors that shape and influence them.

Art

Environmental Artists:

This project teaches children about the genre of environmental art. They study how artists create artwork that addresses social and political issues related to the natural and urban environment. Children work collaboratively to create artwork with an environmental message.

Design Technology

Engineer:

This project teaches children about remarkable engineers and significant bridges, learning to identify features, such as beams, arches and trusses. They complete a bridge-building engineering challenge to create a bridge prototype.

PE

Football:

Children will be focussing on passing, dribbling, turning and moving and the rules of the game.

Carnival:

Children will be using their body to perform technical movements before applying choreography into a routine.

RE

Being Merciful and Forgiving

Explore the Christian view of mercy through the Easter Story.

Remembering Roots

Why is it important for followers of Islam to recall the story of Prophet Ibrahim (Abraham)?

Music

A New Year Carol: All of the learning in this unit is focussed around the song 'A Friday Afternoons' by Benjamin Britten.

You've Got A Friend: All the learning in this unit is focused around one song: You've Got A Friend by Carole King.