

Maths

In Maths we will continue to build our knowledge of place value, developing our skills to read and write numbers to 1 million, to be able to find up 10, 100, 1000, 10000, 100000 less, to compare numbers to 1,000,000 and round to 100,000.

We will continue to develop our calculation strategies by adding and subtracting whole numbers up to 4 digit, understanding and applying the inverse operations and solving multi-step addition and subtraction problems. This will include solving problems involving money.

Within multiplication will be focused on multiples and common multiples, factors, prime, squared and cubes numbers, multiples of 10,100,1000, multiply and divide by 10, 100, 1000.



Science: Earth and Space

During this topic, we will be learning about the solar system. Children will learn the names and order of the planets. Children will explore representations of the size of the planets; that planets and stars are spherical and how we know this. Children will also learn about phases of the moon, day time and night time, different times around the world and lunar and solar eclipses.



Autumn 1 Year 5 Topic Web



Earth and Space

Art – Line, light and Shadows

During this project, children will learn about the visual qualities of line, light and shadow. They will explore the work of Pablo Picasso and Rembrandt and are introduced to a range of shading techniques. They will take black and white photographs and use pencil, pen and ink wash to reimagine their photographs in a shaded drawing.

P.E.

Indoor P.E. for this half-term is dance. The children are learning to respond imaginatively to a stimulus to create a dance sequence, link contrasting actions together using combinations of speed, levels and directions, and use appropriate language to evaluate your own and others work.

Outdoor P.E. continues to be led by the Chelsea football foundation on a Thursday. This half term the focus is on hockey and learning the skills and starting to play small games.

R.E.

Our RE this half-term focuses on Submission within the Islamic faith. We will learn about why submission is important to Muslims, how they demonstrate submission. Children will make connections to submission within their lives – what this means and who they submit to.

French:

Children will be learning about food and healthy eating, classroom instructions. They will be revising: colours, numbers, days of the week, month of the year, opinions and learning how to pronounce the alphabet and words accurately.

Computing: Coding

We use Purple Mash for our computing lessons. This half-term children will be learning to write code efficiently, simulate a physical system, to understand decomposition and abstraction, to understand how to use friction in code and introduce and write strings of code.

English:

In English we will be using our new writing scheme Literacy Tree. Our first book will be The Man Who Walked Between the Towers by Mordcai Gerstein. Children explore how a real-life story has been portrayed as fiction. We will write recounts, news updates, and role playmaking a speech as Philippe Petit. As our main outcome, the children gather everything they have learnt about Philippe Petit and write a biographical account of his life, researching where needed to fill in gaps about childhood and events prior to this.

The second piece of writing will be based upon Robot Girl by Malorie Blackman. We will write discussions, debates, dialogues, character comparisons and reviews, before writing our own science-fiction narrative inspired by Robot Girl.

We will be continuing our Whole Class reading structure called Destination reader. Children will take part in whole class sessions, which focus on the different comprehension strands and apply this to their reading. During this half-term, we will be focusing on the books 'Who is Neil Armstrong' and a younger readers version of 'War of the Worlds'.

Please support your children with reading daily and discussing what they have been reading.

Design and Technology CAMS model

Children will be making a moving toy, where pictures will raise and lower in the box, when the handle is turned.

They will learn to measure and cut dowel to the appropriate length, they will identify and place their CAMS mechanisms in the structure. They will design, plan, make and evaluate their finished product.



Music

Using our new SingUp scheme, we will be learning about sea shanties this term. Children will explore the history, context and purpose of sea shanties. Then children will explore and create rhythm games, before creating their own class arrangement of a sea shanty using their voices and instruments.

