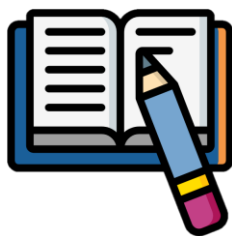


Year 5 - Autumn 1

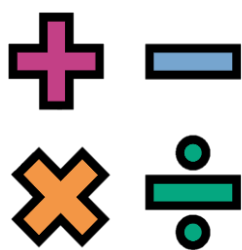
Literacy



In our Writing lessons, we are using the book Robot Girl by Malorie Blackman to inspire us to write a persuasive letter to the government to delay the advancement of AI. We will then use the text Hidden Figures by Margot Lee Shetterly to look at the space race, learning how to write a newspaper based on events that happen in the book.

In Reading, we are reading the book Cosmic by Frank Cottrell Boyce. We are unpicking the two main characters, Liam and Florida, as they venture through the competition that will take them to space! We will be learning how to partner read, read independently and listen to how stories are read. We will look at simple retrieval questions and begin to understand how to infer based on characters' actions.

Maths



In Maths, children will develop their understanding of place value by working with numbers up to 1,000,000, including reading, writing, comparing, and rounding them. They will use formal written methods for addition and subtraction, solve multi-step problems, and practise mental strategies. In multiplication and division, pupils will learn long multiplication and short division, explore factors, multiples, and prime numbers, and apply their skills to solve a range of problems.

Science



This half-term, we will begin our Science lessons by exploring the effects of different forces on objects, including gravity, air resistance, and friction. They will learn how to measure forces using a force meter and investigate how forces can be changed or used to make tasks easier through simple machines such as levers, pulleys and gears. The children will also apply their understanding by designing and presenting their own simple machine to solve a real-world problem.

Year 5 - Autumn 1

Computing



In the unit 'Systems and Searching', the children will develop their understanding of computer systems and how information is transferred. They will consider different scaled systems and explain the input, output, and process aspects of a variety of different real-world systems. They will discover how information is found on the World Wide Web, through learning how search engines work and what influences searching, and through comparing different search engines.

Design Technology



Our DT topic this half-term is 'Levered Bridges'. The children explore the engineering behind bridges, focusing on truss structures and mechanical systems such as levers and pulleys. They will investigate how these elements contribute to strength and movement in bridge design. The children will apply their learning by designing, building, and evaluating a working levered bridge that can lift or move a load.

History



In our Ancient Greeks topic, children will learn about the period's major historical events, cultural practices, and societal structures. They will investigate myths and legends, compare city-states like Athens and Sparta, and discover how Ancient Greek ideas continue to shape modern life. The children will develop historical enquiry skills by organising and presenting their findings in creative and meaningful ways.

Languages



In Languages this half-term the children will begin to learn about food and drink and how to say phrases about food and drink in context. Pupils will practise pronunciation and intonation, build simple sentences, and start to understand basic grammar such as gender and verb forms.

Year 5 - Autumn 1

Music



In Music this year, we learning to play keyboards. We will begin by learning the foundations of playing an instrument using notations, rhythms and learning how to play as an ensemble.

PE



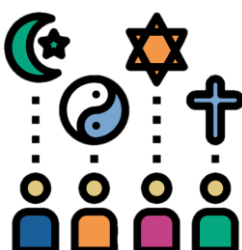
Throughout this PE unit, pupils will develop their understanding of basketball by learning and applying key skills such as dribbling, passing, receiving, shooting and defending. They will work collaboratively in small-sided games, developing tactical awareness, decision-making and communication while applying the rules of the game. Pupils will build confidence, resilience and sportsmanship as they evaluate and improve their individual and team performances.

PSHE



Our PSHE topic is all about relationships. We will be unpicking how to best communicate with others and how to be a good friend. We will also learn about peer pressure and how to be assertive if we need to be.

RE



This half-term the children will learn about the main Sikh life-cycle ceremonies: Naam Karan (naming), Anand Karaj (marriage) and Antam Sanskaar (funeral). They will discover why the Guru Granth Sahib is treated as a living Guru and is present at every one of these ceremonies. They will explore the Amrit Sanchar, the personal commitment some Sikhs choose to make, and consider the promises and symbolism involved, including the taking of the names Singh or Kaur. By comparing the ceremonies, the children will build a broader understanding of how faith and belief shape significant moments throughout a Sikh's life.