Maths

Year 5

Multiply and divide
● Multiples ● Factors ● Prime numbers ● Common factors ● Square numbers ● Cube numbers ● Multiply by 10, 100 and 1,000 ● Divide by 10, 100 and 1,000 ● Multiples of 10, 100 and 1,000
Fractions
● Equivalent fractions ● Improper fractions to mixed numbers ● Mixed numbers to improper fractions ● Number sequences ● Compare and order fractions less than 1 ● Compare and order fractions greater than 1
Fractions continued
● Add fractions within 1 ● Add and subtract fractions ● Add 3 or more fractions ● Add fractions ● Add mixed numbers ● Subtract fractions ● Subtract mixed numbers ● Subtract – breaking the whole ● Subtract – 2 mixed numbers

Year 6

Fractions
● Simplify fractions ● Fractions on a number line ● Compare and order (denominator) ● Compare and order (numerator) ● Add and subtract fractions (1) ● Add and subtract fractions (2) ● Add fractions ● Subtract fractions ● Mixed addition and subtraction
Fractions continued
Multiply fractions by integers ● Multiply fractions by fractions ● Divide fractions by integers (1) ● Divide fractions by integers (2) ● Four rules with fractions ● Fraction of an amount ● Fraction of an amount – find the whole
Ratio
Using ratio language ● Ratio and fractions ● Introducing the ratio symbol ● Calculating ratio ● Using scale factors ● Calculating scale factors ● Ratio and proportion problems

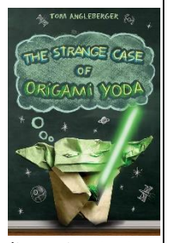
DT

Steady hand game

In DT this term, students will explore toy design by examining form (the shape of a product) and function (how it works). They'll analyze existing children's toys, discussing likes and dislikes and how toys help develop different skills. Using this knowledge, they'll study the components of a steady hand game and design their own version, creating perspective drawings and building a secure base with neat edges to match their vision. Finally, they'll assemble and test a working electrical circuit to bring their game to life, gaining practical skills in both creative design and basic electronics.

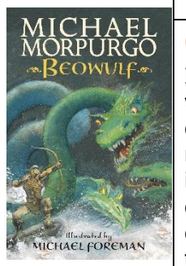
Literacy

The Strange case of origami Yoda.



This term, children will read The Strange Case of Origami Yoda by Tom Angleberger, starting with an envelope that contains an Origami Yoda and the question, "The future, how much can we predict?" They'll predict the identity of Yoda, discuss events they've predicted or been surprised by in their own lives, and explore the history of origami. As a fun activity, they'll write instructions for making an Origami Yoda. Students will also write a discussion text answering whether we can predict the future, using examples from the book, and create diary entries from the perspective of Dwight, a character with an intriguing story. The unit will culminate in a final discussion text addressing Yoda's question, presented as a case for Tommy, with opportunities throughout to strengthen grammar and writing skills.

Beowulf



Over the next three weeks, children will engage with Beowulf by Michael Morpurgo, illustrated by Michael Foreman, as part of a writing unit focused on legends and the significance of heroic poetry in early European literature. They will discuss the themes and characters of the text and produce a variety of written outcomes, including recounts, formal letters, dialogue, descriptions, and obituaries. Additionally, students will write their own epic, heroic narratives using poetic devices inspired by the original manuscript. This unit will provide a rich exploration of storytelling and creative writing while deepening their appreciation for this classic tale.

Year 5/6 | Autumn Term 2 | The circle of life

History

Who should go on a banknote

This unit of history give pupils the historical skills of inference, extracting information from sources, evaluating historical figures and the opportunity, like historians, to decide their criteria for significance. The unit also allows the children to consider the contributions to Britain of a diverse group of people, whose experiences are less well-known.

Religious Education

Why do Christians believe Jesus is the Messiah

In this unit, pupils will learn about the concept of 'incarnation' and how it fits within the big story of the Bible. They will study key texts that recount the story of Jesus' birth and the links Christians make to Old Testament prophecies. Pupils will study and discuss selected texts alongside key Christian beliefs, using theological terms. They will consider the idea of Jesus fulfilling the expectations of the Messiah, within Christian tradition, and consider the importance of this for Christians today..

Physical Education

Swimming

Computing

In ICT this term, students will be working with spreadsheets in various real-life scenarios. They'll start by using spreadsheets to explore probability, calculating possible outcomes when throwing multiple dice. They'll then learn to calculate discounts and final prices in a sale, helping them understand basic financial concepts. Moving on, they'll use spreadsheets to plan how to manage pocket money, examining the effects of spending versus saving. Finally, they'll apply these skills to plan a school charity day, using spreadsheets to maximize donations and budget effectively, building both practical math and planning skills.

Personal, Social and Emotional Development

Health and wellbeing
Learning about the importance of relaxation and sleep; understanding how to cope with failure; learning how to set goals and how to achieve goals; taking precautions while in the sun; healthy meals and ingredients; learning about different emotions and possible ways of dealing with a difficult situation.

Science

Living things and their habitats

This term in science, children will explore the fascinating life cycles of various organisms, comparing the unique developmental stages of mammals, amphibians, insects, and birds as they progress from birth or hatching to adulthood. They will examine how mammals care for their young, how amphibians undergo metamorphosis, and how insects transform from larvae to adults. Alongside animals, students will also investigate reproduction in plants, studying seed production and other mechanisms by which organisms ensure their survival. Through hands-on experiments, they will plan scientific enquiries, learning to ask questions, control variables, and make careful observations, developing both their scientific thinking and a deeper appreciation for the diversity of life.