Autumn 2 Topic Overview

Upper Key Stage 2

Science: Forces - Why did the apple fall from the tree?

In science, children will become expert physicists as they explore the fascinating world of forces. Through hands-on experiments, they will learn how to measure pushes and pulls using Newton meters and discover how invisible forces like gravity, friction, air resistance, and water resistance shape the world around us. They will investigate why things fall, float or sink, and how springs stretch under different masses. They will learn to represent these forces visually using directional arrows. To end their learning, the children will become science experts, creating and presenting posters to answer the question: "Why did the apple fall from the tree?"

Geography - Do the Earth's biomes have an order of importance?

Children will explore the Earth's climatic belts and biomes, locating them on maps and investigating their climates, biodiversity and how plants and animals adapt to their environments. They will examine how climate and human activity impact biomes, explore threats and conservation efforts, and create an informative spread before producing a David Attenborough-style documentary about a chosen biome.

Maths

Year 5: Year 5 will be focusing on fractions in the build up to Christmas! We will start by furthering our understanding of equivalent fractions, looking at both unit and non-unit fractions. We will then be working on converting fractions, looking at both improper fractions and mixed numbers. Using this knowledge, children will then be able to order, compare, add and subtract fractions.

Year 6: In our Maths lessons, the children will be developing and deepening their understanding of fractions and fraction, decimal and percentages. They will be building upon prior knowledge and learning new mathematical vocabulary and methods to help solidify their knowledge and understanding. The children will then be applying this knowledge to problem solving and reasoning questions to help to deepen their understanding further. In our Super Six lessons, the children will be revisiting place value and four operation objectives with fun, engaging games and activities.

All children will also be completing an arithmetic lesson weekly.

Art

Children will compare the work of Holly Worland Young and Pippa Hill. They will learn clay techniques to create form and textures before creating sculptures of animals found in the 6 major biomes of the world using these.

After painting them, children will create a habitat to house and present their creations.

English

In our Writing lessons, the children will be immersing into the world of 'The Hobbit.' They will explore key characters within the text, with a particular focus on Thorin Oakenshield, developing a deep understanding of his character, personality, motivations. The children will then use all their knowledge to produce a balanced argument debating whether Thorin is a good leader or not. They will then focus on a particular event in the story and produce a perspective narrative.

Children will also begin their daily transcription lessons, focusing on handwriting, spelling and grammar.

Computing: Creating Media – Video Production

Children will learn about what makes video effective and how video is made. They will learn about the different technical shots used in film making before filming and editing their own videos.

PE

Indoor – Mindful Movement

Children will learn and refine poses, developing balance, strength, flexibility and control through breathing techniques. They will create, practise and lead a sequence of poses.

Outdoor – Tennis

Children will develop a range of tennis skills to maintain rallies. They will apply these skills, alongside rules and tactics, when playing an opponent.

Reading

Children will complete 5 reading lessons a week. Three of these lessons will focus on our class text 'The Girl Who Stole an Elephant' where children will be using a range of skills including prediction, retrieval, inference and vocabulary to understand the text, its themes and characters in detail.

The children will also be completing an individual text lesson per week where they will focus on a shorter text, poem, article or news report for example. These are carefully selected to represent the children's interests, topical stories from around the world and broadening the children's reading experiences.