Second Half Autumn Term Year 5 Topic Web

Maths

This half-term we will be continuing our multiplication and division unit. We will continue our learning of factors, prime numbers, square numbers and cube numbers, and look at multiplying and dividing by 10, 100 and 1,000.

Our second focus will be fractions. Children will be building on their knowledge of fractions from previous years. They will be deepening their knowledge and applying their understanding to a range of contexts and problems involving fractions.

They will be learning to find equivalent unit fractions, find equivalent non-unit fractions, recognise equivalent fractions, convert improper fractions to mixed number fractions, compare and order fractions less than 1, compare and order fractions greater than 1.

Children will also add and subtract fractions with the same denominator, add fractions within 1 and add fractions greater than 1, add to a mixed number, add two mixed numbers, subtract fractions, subtract from a mixed number and subtract two mixed numbers.

DT – Moving mechanisms

This project teaches children about pneumatic systems. They experiment with pneumatics before designing, making and evaluating a pneumatic machine that performs a useful function.

P.E.

Indoor P.E. for this half-term is gymnastics. They will be using both the large and small apparatus.

Outdoor P.E. continues to be led by Toby on a Monday. This half term the focus is on football land learning the skills and starting to play small games.

PSHE:

This half term we will be looking at how the brain works when faced with different problems – fight or flight mode.
We will also being learning how to celebrate our achievements and those of other people.

History

In this topic, children will learn about the lives of the Tudors. They will learn about the monarchs. They will learn about Henry 8th and his 6 wives. They will learn how ordinary Tudor people lived, what they ate, how they dressed and the jobs they did.



Tudors



R.E.

Our RE this half-term focuses on Incarnation and the Messiah. We will be focusing on what is wrong with the world today, what did people need saving from in Jesus' day, what the true meaning of Christmas is to Christians, whether Jesus is the Messiah and what message the light at Christmas gives us.

French:

This half-term children will be learning about the names of music and musical instruments, opinions and Christmas traditions. Children will also learn how to pronounce the different words, write them accurately.

Computing:

This half-term we will look at online safety, focusing on the information they share online, what to do if they don't feel comfortable online, SMART rules, and how to stay safe. We are also continuing our work on Databases.

English:

Using the film and text of Shaun Tan's The Lost Thing, children initially engage with the themes of the story and make predictions about its content. They then engage with the story in order to retell the main events to one another. This then leads to a series of innovations upon the story structure and children create their own 'lost things', creating a story plan. In the final part, children write their own lost thing narratives, based upon their story plan.

The second text we will be looking at is "Lizzie and Belle Mysteries: Drama and Danger" by JT Williams. . A gripping historical mystery set in the heart of Georgian London's theatreland, the story is inspired by real Black British figures and brings to life a crucial period in Britain's past. Featuring two strong female protagonists, the book centres the lives of London's Black communities. The story provides a backdrop for children to understand the history of transatlantic slavery and its subsequent legacies, with a focus on Black resistance and positive representation. Themes of empowerment, friendship and feminism are woven throughout.

Science: Forces and Mechanisms

In the Forces and Mechanisms project, your child will revisit prior learning about forces, identifying what a force is and discussing the two types, including contact and non-contact forces. They will learn that gravity is a force of attraction and follow instructions to observe gravity in action. They will learn the meanings of the terms: 'mass' and 'weight' and their units of measurement, following instructions to record the mass and weight of various everyday objects using a piece of equipment called a force meter. They will revisit learning about friction. They will learn about the frictional forces called air and water resistance in detail and conduct investigations to observe these frictional forces in action. They will learn about mechanisms, including gears, pulleys and levers.

Music

We will be looking at 2 different units this half term in music. The first is Why we Sing, where we will be learning about gospel style music. The second is Introduction to Songwriting, where we will be learning to write lyrics and a melody for a hook.