

**Science**

This term we will be looking at the topic of sound in science.

Children will identify how sounds are made, associating some of them with something vibrating and recognise that vibrations from sounds travel through a medium to the ear. They will find patterns between the pitch of a sound and features of the object that produced it and find patterns between the volume of a sound and the strength of the vibrations that produced it. This will result in creating their own musical instrument. They will also recognise that sounds get fainter as the distance from the sound source increases.

**Forest school:**

The children will learn how to cook over an open fire. They will also print and dye using natural materials. They will have a science influence with mini beasts and their natural environments and then some Christmas crafts to finish.

**Mathematics**

This term our focus will be on place value, addition and subtraction and begin to look at multiplication and division.

Within place value we will look at representing and using numbers up to 1,000 in year 3 and up to 10,000 in year 4. Within this the children will use number lines, look at partitioning, comparing and ordering these numbers as well as learning how to round numbers to the nearest 10, 100 and 1,000.

This will then lead into addition and subtraction where year 3 will learn to add 2 digit and 3 digit numbers using formal written methods and year 4 will progress to adding two 4 digit numbers using exchanges. Within subtraction year 3 will aim to subtract a 3-digit number from a 3-digit number and year 4 will aim to progress to subtracting two 4-digit numbers with exchanges, working out the most efficient methods to help with word problems.

Finally, we will begin to understand multiplication and division through recognising, making and adding equal groups, multiplying by 3, dividing by 3, the 3 times table, multiplying by 4, dividing by 4, the 4 times table, multiplying by 8, dividing by 8, the 8 times table, multiply by 10, multiply by 100, divide by 10 and divide by 100.

**Diary dates:**

**Non-pupil days** – Monday 4<sup>th</sup> and Tuesday 5<sup>th</sup> September 2023

**Half term** – Monday 23<sup>rd</sup>– Friday 27<sup>th</sup> October 2023

**Last day of term** – Friday 15<sup>th</sup> December 2023

**English**

This term the children will continue to develop their knowledge of spelling and grammar rules for year 3 and 4.

In handwriting the children will continue to practise new joins and perfect the joins they have already learnt using the year 3/4 statutory spelling list

Within their written work the children will be expected to use their joined-up writing and their growing knowledge of spelling and grammar when we look firstly at fiction from a contrasting country before moving on to non-fiction, fantasy fiction and finally basing our writing on a Christmas video. This will cover aspects such as direct speech, conjunctions of time, place and cause, expanded noun phrases, fronted adverbials and paragraphs. Reading: Within independent reading, reading to an adult and the guided reading sessions, the children will focus on their comprehension skills, thinking carefully about what they have read to answer questions.

**The wider curriculum.**

**ICT:** Initially the children will learn how to send emails which will include an attachment, they will then look at how to recognise a fake email and understand why it is important to be kind online.

During the second half of term the children will then begin to look at programming through 'Scratch'. They will design, write and debug a programme and understand how a simple algorithm works.

**Music:** Through various songs in different genres, the children will share their thoughts and feelings about the music. They will begin to understand that long and short sounds create rhythm and high and low sounds create the pitch and how these are represented by musical notes. They will then compose simple melodies using instruments.

**French:** French is mainly learnt through conversation rather than written work so lots of oral learning will take place. We begin to look at basic conversational skills through greetings which will enable the children to have conversations with each other.

**Geography:** During the first half term the children will look at the geography of the UK - from the physical features of mountains, rivers and seas to the man-made administrative regions and counties. They will find out how the UK has changed over time, throughout the course of history. They will discuss how cities are similar and different to Shute.

**History:** They will then build on their knowledge of how places have developed and grown by concentrating on the development of the Railways in Great Britain giving the children the opportunity to find out about the history of the railways and significant early locomotives. They will also investigate some important historical events, such as the opening of the first passenger carrying railway lines and the Rainhill Trials and they will learn about some of the key people who were influential in the development of the railways. The children will also learn about the growth and development of the railway network in Great Britain and use their geographical skills to map out some key routes. They will also use their speaking and listening skills to debate the positive and negative effects of the railways on different aspects of society.

**Physical Development**

This term the children will be taught:

**Yoga:** This will focus on flexibility and strength. The children will understand the connection between breath and movement through yoga poses which the children will develop into a flow.

**Hand ball:** Children will learn how to use the ball with control when passing, bouncing and shooting within the game and how to play as a team.

**Tag rugby:** Using the control they have from hand ball they will then use this to help to develop throwing and catching while running with the ball, using a forward pass, how to effectively dodge a defender and the basic rules such as 'offside' to use in a tag rugby game.

**Hockey:** Children will learn to send using a push pass, how to receive and dribble the ball as well as tackle safely within game situations.

**PSED and Religious Education**

**PSED:** During the first half term we will be focusing on what drugs are and how they can be harmful. This will look at medicines that are used for medical issues as well as the effects and risks of smoking and how this can affect children.

During the second half term we will then look at keeping safe and understanding how we can notice bullying. We will understand the difference between being mean and bullying, various types of bullying including racism and sexism and how we can act against it.

**RE:** We will initially look at Hinduism. The children will find out about what Hindus believe God is like, what it is like to be a Hindu and how Hindus worship as well as celebrations such as Diwali.

We will then study what Christians call the Trinity. We will link this to how Christians show their belief about this through worship, baptism, prayer and how they live their lives.

**Art and Design**

**Art:** Drawing focuses on skills on line drawing, shading and perspective, using different materials including charcoal and pencil. They will also look at colour and how it is used within painting using water colours.

**Design Technology:**

The children will look at the mechanisms of vehicles. They will design a moving vehicle which they will build using woodwork skills before finally testing and evaluating its performance.