Your Child's Learning Journey

SUMMER 2024

An overview of the spring curriculum for **Year 5**

ENGLISH

This term, children will begin the term by reviewing and improving their last piece of work.

They will then create a newspaper report linked to their topic **Britain at War** before creating a description of the Trenches.

MATHEMATICS

Your child will complete six mini-units in Mathematics this term. These are:

Shape: Your child will work to compare angles, estimate and measure angles in degrees (°) and draw angles of a given size.

Position and Direction: Children will learn about coordinates, lines of symmetry, and translation.

Decimals: Children will work to multiply and divide numbers by 10 and 100; understand this as equivalent to making a number 10 or 100 times the size, or 1 tenth or 1 hundredth times the size.

Negative Numbers: Children will learn to compare, count, and order negative numbers.

Converting Units: Children will convert between units of measure, including using common decimals and fractions.

Volume: Children will learn about calculations of cubic centimeters and work to compare and estimate capacity.

If you would like to support your child with this topic at home, you can find a comprehensive selection of support videos **here**.

ART

Spring 1 – **Abstraction**

This project immerses children in the intriguing world of abstract art, focusing on concepts of abstraction and distortion. Children will learn how artisits used abstract art as a way to respond to the horrors of World Wars I and II. Children will learn about the visual elements of abstraction and significant abstract artists.

DT

Summer 2 – **Make Do and Mend**

The 'Make Do and Mend' project is a hands-on exploration into the world of sewing, teaching children various stitches and the art of recycling and repurposing old clothes and materials. It echoes the themes of resilience and resourcefulness prevalent during World Wars 1 and 2. This project not only develops practical skills but also provides a historical context, linking seamlessly with music and history lessons focused on these significant periods. A fantastic way to interweave practical skills with historical understanding.

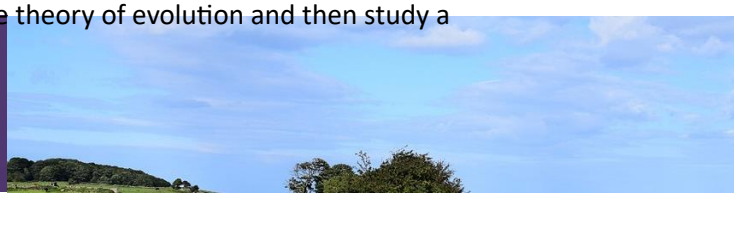
SCIENCE

Light Theory

In the Light Theory project, your child will create a mind map to recap their prior learning about light sources, reflectors, day and night, sun safety and shadows. They will observe how light travels in straight lines. They will use their research skills to discover what happens to light when it enters the eye and how this relates to how we see. They will learn about the electromagnetic spectrum, finding out about visible light in detail. They will investigate how we perceive colour, learning that the stimulation of cells in the eye helps us perceive light, dark and colour. Using a torch for a light source, they will explore how shadows change, including their shape, size and how they become distorted. They will discuss what happens to light when it strikes a surface, learning about absorption, reflection, scattering and transmitted light. They will use different mirrors, including plane, concave and convex, to explore how they affect reflections. They will use a light meter to measure light and will observe refraction and ask and answer scientific questions about the phenomena.

Evolution and Inheritance

In the Evolution and Inheritance project, your child will learn about the five kingdoms scientists group living things into based on their characteristics. They will discuss what fossils are, revisit how they form and learn about the fossil record before classifying fossils, using what they have learned about the features of living things. Children will discuss the theory of evolution and the scientists who founded it in the 19th century, Charles Darwin and Alfred Russell Wallace, learning that all living things on Earth are related and have gradually changed over time. They will learn that fossils and the DNA of extinct and living things provide evidence for the theory of evolution and then study a



scientific diagram called an evolutionary tree, identifying the relationships between past and present-day living things. Children will learn the meaning of the terms 'inheritance' and 'variation' and how evolution relies on them. They will discuss examples of inherited and non-inherited features and continuous and discontinuous variation within humans before collecting and displaying class data about eye colour as a bar chart and heights as a line graph. They will revisit the meaning of 'adaptation' and use new scientific terminology, including 'natural selection and 'survival of the fittest'.

RE

Summer 1 – **Expressions**

In this topic pupils will investigate religious expression in all its diversity, considering different ways of expressing belief through range of creative media and in their actions. They will explore the meaning of symbols and activities expressing belief. By the end of this unit, pupils will recognise different forms of spiritual and religious expression within and between religions and denominations.

Summer 2 – **God**

In the second half term, children will return to their focus study on Christianity and look at the attributes that Christians apply to God.

MUSIC

Summer 1 – **Pitch, Tempo and Dynamics**

Children will learn to listen to changes in pitch, tempo and dynamics and relate it to something tangible and familiar. Linking to their geography learning, the pupils represent different stages of the river through vocal and percussive ostinatos, culminating in a final group performance.

Summer 2 – **Samba**

Getting a feel for the music and culture of South America, children are introduced to samba and the sights and sounds of the carnival. They will learn about syncopated rhythms and develop a composition to be performed in groups.

COMPUTING

Summer 1 – **3D Modelling**

Learners will develop their knowledge and understanding of using a computer to produce 3D models. Learners will initially familiarise themselves with working in a 3D space, moving, resizing, and duplicating objects. They will then create hollow objects using placeholders and combine multiple objects to create a model of a desk tidy. Finally, learners will examine the benefits of

grouping and ungrouping 3D objects, then go on to plan, develop, and evaluate their own 3D model of a building.

Summer 2 – **Selection in Quizzes**

In this unit, pupils develop their knowledge of selection by revisiting how conditions can be used in programs and then learning how the If… Then… Else structure can be used to select different outcomes depending on whether a condition is true or false. They represent this understanding in algorithms and then by constructing programs using the Scratch programming environment. They use their knowledge of writing programs and using selection to control outcomes to design a quiz in response to a given task and implement it as a program.

PSHCE

Children will study three units on the themes of: **enterprise**; **first aid**; and **online safety**.

In the **enterprise** unit children will learn about enterprises and small business. They will identify ways in which they can help out at home and take initiative to work to support others. They will also learn to budget for items they would like to buy.

In learning about **first aid** they will learn to demonstrate the recovery position for an unresponsive breathing casualty and know when and how to deliver CPR. They will also learn when to call for emergency help.

In the **online safety** topic they will focus on image sharing and the risks of sharing personal information over the internet. They will identify rules to follow when sharing images online and recognise possible influences and pressures to share images online.

PE

This term pupils will focus on **movement skills and athletics** in the first half term. This will have a focus on the value of motivation in sport. They will then take part in **net and wall sports** with a focus on the benefits of friendly competition.

GEOGRAPHY

Children will complete their work on Frozen Kingdoms, which started prior to Easter.

In the Frozen Kingdoms project, your child will learn about **the regions of the Arctic and Antarctic**. They will learn about the similarities and differences between these two regions, including the climate, landscape and natural resources.

They will learn how to use **grid references, lines of latitude and longitude, contour lines and symbols to identify the geographical locations of the Arctic and Antarctic**, and how these, along with the tilt of the Earth, affect day length and warmth. They will investigate polar oceans to learn how they differ from other oceans on Earth and how climate change increases Earth's temperature and leads to rising sea levels.

HISTORY

In the **Britain at War** project, your child will learn about the main causes of the First World War and which countries were the major players. They will investigate why so many men volunteered to fight and then sequence the events at the start of the war. Using various sources of evidence, the children will learn about life in the trenches and the consequences of new weaponry. They will listen to first-hand accounts of life on the home front and evaluate the impact of war on everyday life.

The children will research the causes and consequences of the First World War by exploring the build-up to World War I and the inter-war period. Closer to home, the children will explore what life was like for the people of Britain during this period.

FRENCH

In the first half term, children will learn to name **items in a classroom** and, in doing so, will learn and revise possessive adjectives, prepositions, and in French Phonics – revisit the silent letters at the end of words

After the half term, children will learn about the **culture and traditions of West Africa**, looking at areas where French is spoken. They will also learn and revise the key verb to go – *aller* – and the simple future tense.