

Year 6 - Spring Term

Science Animals including humans: How do an animal's living systems work together to maintain a healthy body?

During this unit of work, children will learn about the importance of the circulatory system and how it transports oxygen around our body. They will learn about the heart and how it is an important muscle in our bodies. Children will learn about their heart rate and different activities that can increase the heart rate. Children will learn about being healthy and things they can do to lead a healthy lifestyle as well as learning about things that people do that can cause them to be unhealthy.

DT Construction - Gothic Glow: Electrifying Creations
How can we combine electricity and design to create a spooky gothic-themed model?

Children will develop construction, mechanical and electrical skills to create Gothic-inspired models. They will research Gothic architecture, study inspirational architects and engineers, and design their models using detailed drawings and computer-aided design (CAD). They will build strong structures and integrate simple mechanisms and electrical circuits with lights, motors or sound to achieve dramatic effects. Finally, children will test and evaluate their models, considering both performance and appearance, and suggest improvements.

Music Popular music: WW2 to the present day
Explore the Orchestra - preparation and performance

French Describing myself and others, clothing, and colours

English

Everest
To write an account of another significant exploration

Poetry - The Call
To write poetry based on a film

Chronicles of Harris Burdick
To write a short story based on a picture

Poetry - The Lost Words
To write a poem about something from the natural world

PSHE Valuing Difference
Rights & Respect

RE Creation and science - conflicting or complementary?
For Christians, what kind of King is Jesus?

PE Gymnastics, netball, outdoor adventurous activities, and fitness

Computing

Programming: Variables in games
Data & Information: Spreadsheets

Online safety: Protect your stuff & Respect each other

Maths

Ratio
Children will learn to use the language of ratio as they explore the relationship between ratio and fractions. They will learn how to calculate and represent the ratio form a range of different contexts as well as using the bar model to support their understanding.

Algebra
Children learn new language and understanding when exploring this area of maths. Working within simple numbers children have the opportunity to work on simple formulas and explore possibilities of different variables.

Decimals and Percentages
Building on previous learning of place value and fractions children will explore and secure understanding of the relationships between fraction, decimal and percentages

Measure: Area, Perimeter and Volume
Children will have opportunity to build on their knowledge of area and perimeter to explore the area of triangles and parallelograms. As well as revisiting the difference between volume and capacity.

Statistics
Children will consolidate learning of making and interpretation line graphs. Children will further embed their learning of angles and ratios as they learn to convert data into pie chart.

Geography How sustainable is the UK's economic activity?

In this unit, children will do an in-depth study into the economic activity of the United Kingdom. Children will learn about the three main economic sectors and how each impacts the UK's economy. Children will learn about different economic activities in the United Kingdom and their sustainability.