



Maths

Children will extend their knowledge of place value and numbers up to 10 million. They will revisit the four operations of addition, subtraction, multiplication and division. Children will use this knowledge to solve multi-step worded problems and to develop reasoning skills. Accurate calculating in long multiplication and division will be a focus. Also, children will work with negative numbers and learn how to apply order of operations to solve problems. Children will develop their understanding of fractions, linking this knowledge to decimals and percentages.

English

Children will explore a range of texts within reading to develop comprehension skills. In Autumn, we will be developing our writing around the video of 'Francis' along with the novels 'The Windrush Child' (linking to our 'Black History' topic), and 'Holes'. Children will further their understanding of complex sentences including fronted adverbials and relative clauses. Children will have the opportunity to write a character point of view, diaries, own narratives, character descriptions and settings, newspaper articles and a non-chronological report.

Science

Our topics this term are living things and light. Children will learn how living things are classified into broad groups based on specific characteristics. They will develop their knowledge about living things and their habitats within different regions of the world. They will learn how light travels and how shadows are formed. They will construct and make a periscope and conduct their own investigation. Children will plan fair tests and carry out the investigations making sure that they observe and record results accurately.

Computing

Over the term children will complete work on coding including computational thinking and using repeating code to limit the algorithm length. Children will learn about online safety and how to keep themselves safe. In addition, we will use technology across the curriculum to enhance their learning experiences.

History

Black History is the focus for this half term. The unit aims are to teach children about some of the significant moments and individuals in Black History. They will begin gaining an overview of how Africans were first forced to America and then progress it to the African-Americans' struggle for the Civil Rights of Freedom and equality.

Geography

Children will study climate change. They will synthesise information and develop critical analysis skills which is important for allowing pupils to draw their own conclusions. It is also important for pupils to develop a sense of collective responsibility; there is a world beyond us and a time beyond the present.

P.E.

During P.E. sessions, children will learn and develop their skills in invasion games. Children will be exploring movement through gymnastics and dance, composing sequences in pairs and groups. In the first part of the autumn term, children will begin their swimming lessons at Mill House Leisure Centre.

P.S.H.E.

Created and Loved By God is the autumn topic from Ten:Ten, which explores the individual. Rooted in the teaching that we are made in the image and likeness of God, it helps children to develop an understanding of the importance of valuing themselves as the basis for personal relationships.

Art and Design and Technology

In Art, children will be exploring different drawing techniques, developing ideas when drawing portraits and landscapes. In Design Technology, children will be exploring resistant materials, producing environmentally friendly, fast food packaging.

Music and French

Children will be performing a rhythmic canon and composition. They will identify the difference between pulse and rhythm and constructively critique compositions using musical vocabulary. The children will revise the topics studied in Y5 and move on to writing and speaking about families and pets. They will also learn how to describe appearances and characteristics.