

Curriculum Newsletter

Year Five – Spring Term One



Core Subjects

English

Writing: We focus on The amazing feats achieved by women in NASA. We read Hidden Figures by Margot Lee Shetterly. The children will look at including a range of features that include fronted adverbials, relative clauses and expanded noun phrases.

We then move onto autobiographies. They will learn about the features of autobiographies whilst reading autobiographies from famous people like; Sir David Attenborough.

Reading: We continue to focus on a variety of reading VIPERS skills, retrieval, summary, predication, inference, vocabulary.

Maths

Throughout this term, we will focus our attention on Geometry, in particular, properties of 2D and 3D shapes along with angles up to 360°. We also revise division and multiplication. Towards the end of the term, we will look at fractions, decimals and percentages and their relationship between each other. Finally, we look at statistics.

Science

Topic - Light & Dark: Theatre Lighting

This unit focuses on creating shadows with different angles and shapes, the colour and texture a shadow produces. We will explore how lighting creates different reflective surfaces including convex and concave mirrors.

Key vocabulary we will explore:

- Shadow (angle/shape)
- Shadow (colour/texture)
- Coloured lighting
- Reflecting lighting
- Illusions

Computing

In this unit, learners will use physical computing to explore the concept of selection in programming through the use of the Crumble programming environment. Learners will be introduced to a microcontroller (Crumble controller) and learn how to connect and program it to control components (including output devices — LEDs and motors). Learners will be introduced to conditions as a means of controlling the flow of actions in a program. Learners will make use of their knowledge of repetition and conditions when introduced to the concept of selection (through the 'if...then...' structure) and write algorithms and programs that utilise this concept. To conclude the unit, learners will design and make a working model of a fairground carousel that will demonstrate their understanding of how the microcontroller and its components are connected, and how selection can be used to control the operation of the model. Throughout this unit, learners will apply the stages of programming design.

Project: Urban Pioneers – Art and Geography

In terms of the Geography side of this project, the aim is to develop children's general knowledge about human geography, with a focus on structures commonly used for graffiti art, in counties and cities around the UK. The children will use the skill of application to answer the Key Concept Question by creating a digital photo collage of graffiti from different counties and cities around the UK.

This unit encourages pupils to use photos to explore graffiti on bridges, train stations, public walls, subways, tunnels, bus stops etc and interpret why people like to create graffiti and whether it is viewed by the public as art or vandalism.

On the Art side, the aim is to explore the culture and environment of city life. Children will explore and develop their understanding of design, urban art and photography and create their own contemporary response in the form of a zine. This project will build specifically on the learning in African Art.

Physical Education (PE)

Indoor: Gymnastics: Flight- Children will explore a variety of jumps. They will know how to take off and land safely when jumping.

Outdoor: Hockey— Children will develop key skills and learn rules in order to play a game of hockey.

Also, over the course of the term the children will have 10 hours of swimming lessons. The lessons are delivered in intensive blocks, one hour per day for a two week block.

Religious Education (RE)

This unit will look at each religion's view of peace and take children on a journey through different acts of achieving and creating peace. The children will compare and contrast the concept of peace across religions. Look at symbolic people of peace and well known symbols of peace before creating their own.

Spanish

Days of the week, months of the year and numbers 1-31 will be introduced, revised and consolidated so, by the end of this unit, pupils will have the knowledge and skills to say the date and when their birthday is in Spanish.

Music

Style: Pop Ballads

All the learning is focused around one song: Make You Feel My Love. The material presents an integrated approach to music where games, elements of music (pulse, rhythm, pitch etc), singing and playing instruments are all linked. As well as learning to sing, play, improvise and compose with this song, children will listen and appraise other Pop Ballads.

Personal, Social & Health Education (PSHE) Relationships and Sex Education (RSE)

This unit is inspired by the idea that we are all individuals and that it is important to 'be yourself'. It aims to encourage the children to develop a positive view of themselves and enable them to recognise the importance of being proud of their individuality. In this unit, children focus on the importance of recognising situations where they need to make positive choices in order to do the right thing. They also explore how to avoid being led into tricky situations and how to recognise and respond to peer pressure. The unit will also look at how to be confident and how to manage uncomfortable feelings. The unit ends by helping the children to investigate how to make things right when they make a mistake.

Non-Core Subjects

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