SPRING 2
Year 6

Science
Evolution and Inheritance

Children will complete the topic from Spring 1. They will consider the adaptations of predators and explore the adaptations and strategies used by prey to avoid capture.

Light

Children will recognise that light appears to travel in straight lines.
They will use the idea that light travels in straight lines to explain that objects are seen because they give or reflect light into the eye.
They will explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.
Children will in groups to produce and educational programme for children all about how light enables us to see. They may want to use pictures or diagrams, or even props to support their explanations in the programme.
Children will make periscopes to understand how mirrors reflect light, and help us see objects.
Working Scientifically Children will report and present findings from enquiries, including conclusions, causal relationships and explanations in oral and written forms such as displays and other presentations.

Computing
Coding.

Children will use sequence, selection and repetition in programs; work with variables and various forms of input and output.

They will use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.

French – Ici et la

Children will speak in sentences using familiar vocabulary, phrases and basic language structure. Children will read carefully and how an understanding of words, phrases and simple writing. They will write their own phrases from memory, and adapt these to create sentences to express ideas clearly. Describe people, places, things and actions orally and in writing.
They will also gain an understanding of basic grammar appropriate to French, including feminine and masculine forms, key features and patterns of language; how to apply these, for instance, to build sentences; and how these differ from or are similar to English.
Engage in conversations; ask and answer questions; express opinions and respond to those of others

English
Discussion Texts and Biographies

Children will continue their work on biographies through their study of Anne Frank, linked to our previous World War Two history topic. They will also write a discussion piece relating to the Darwin's theory of evolution which is linked to our Science topic.

History
Benin

Children will develop a chronologically secure knowledge and understanding of British and world History.
They will understand how land borders can change overtime
They will note connections, contrasts and trends over time and develop the appropriate use of historical terms.
The will start to understand change, cause, similarity, difference and significance of historical events by answering and asking questions.
They will understand how knowledge of the past is interpreted from a range of sources.

Art
Brutalism and Benin

Children will use sketch books to record observations and use them to review and revisit ideas.
They will improve their mastery of art techniques through developing their understanding of sketching techniques.
They will learn how to use tones and textures to create depth in their artwork.
Children will develop an understanding of perspective by drawing buildings.
They will use viewfinders to look more carefully at what they are sketching and to enlarge images.

PSHE
Keeping safe

Children will take part in various activities and workshops to build on their understanding of how to keep safe online.
They will discuss the potential risks and how to overcome them.
Children will also consider how their own behaviour can hurt and affect other people's feelings

Music

Children will play and perform using their voices and playing musical instruments with increasing accuracy, fluency, control and expression. They will listen with attention to detail and recall sounds with increasing aural memory. They will appreciate and understand a wide range of music drawn from different traditions and from great composers and musicians.

Bringing Learning to Life

Music – Children will work together to perform a whole class dance to parents.
Science - Children will in groups to produce an educational programme for children all about how light enables us to see. They may want to use pictures or diagrams, or even props to support their explanations in the programme.
Children will make periscopes to understand how mirrors reflect light, and how they can help us see objects.

Religious Education
CHRISTIANITY AND BUDDHISM

The importance of Jesus to Christians
Sources of wisdom.
Children will show awareness of a range of religious stories.
They will respond to and interpret the messages within a range of stories, sacred writings and sources of wisdom.
They will recognise and understand the impact within different communities and on individual believers.
Children will reflect upon the importance of Jesus to Christians and the significant events leading up to Easter.

Physical Education
Quik Sticks Hockey

Children will learn to use running, jumping, throwing and catching in isolation and in combination
They will play competitive games, modified where appropriate for example, volleyball and rugby and apply basic principles suitable for attacking and defending
They will develop flexibility, strength, technique, control and balance
They will perform dances using a range of movement patterns
They will compare their performances with previous ones and demonstrate improvement to achieve their personal best.
They will engage in competitive sports and activities with other schools.

Maths

Children will develop strategies to solve problems involving:

- Number and place value, including negative numbers.
- Addition, subtraction, multiplication and division, including the order of mathematical operations.
- The relative sizes of two quantities where missing values can be found using integer multiplication and division facts.
- Unequal sharing and grouping using knowledge of fractions and multiples.

Children will use written division methods where the answers has up to 2 decimal places.
They will recall and use equivalences between fractions, decimals and percentages.
Children will develop their understanding of simple formulae, generate and describe linear number sequences.
Children will express missing number problems algebraically.
Children will learn how to use measuring equipment, including protractors to draw 2D shapes using given dimensions and angles accurately.
Children will be able to recognise, describe and build simple 3D shapes using nets.
They will develop skills to classify shapes using their mathematical properties.