

Science Evolution and Inheritance

Children will learn that characteristics are passed from parent to offspring. They will be able to explain causes of variation and define species. They will examine how characteristics are inherited. Children will consider adaptations and begin to understand how animals are adapted to survive extreme environments. They will consider the adaptations of predators and explore the adaptations and strategies used by prey to avoid capture. They will identify evidence supporting Darwin's theory of evolution and be able to explain how evolution happens.

Music

Children will play and perform in solo and ensemble contexts, 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. Children will use and understand staff and other musical notations. They will appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians. They will develop an understanding of the history of music.

French

Children will listen attentively to spoken language and demonstrate understanding by joining in and responding. They will be taught how to 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. 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.

SPRING 1 - 2018 Year 6



English

Persuasive text: Children will write a letter to local businesses to try and persuade them to purchase I pads for our school.

Take One Book: Children will write a single extended narrative or a selection of shorter narratives based on the novel 'The boy in the striped pyjamas' each will develop a key narrative technique.

Geography - North America

Children will locate the world's countries using maps to focus on Europe (including the location of Russia) and North and South America concentrating on their environmental regions, key physical and human characteristics, countries, and major cities. They will identify the position and significance of latitude, longitude, equator, northern hemisphere, southern hemisphere, the tropics of cancer and Capricorn, arctic and Antarctic circle, the prime/Greenwich meridian and time zones. They will describe and understand key aspects of physical geography including mountains, volcanoes and earthquakes. They will use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

Art - Brutalist Architecture Peter and Alison Smithson

Children will use sketch books to record observations and use them to review and revisit ideas. They will improve their mastery of art techniques, including drawing and painting with a range of materials including printing techniques. They will learn about Brutalist Architecture and the architects Peter and Alison Smithson in history.

PSHE

Internet Safety, Emotional Well Being, Learning Behaviours & Mindset.

Children will understand the importance of keeping safe online. They will consider the consequence of posting pictures and messages online and how these posts may affect the self esteem of themselves and others. Children will continue to gain an increasing understanding of the need to develop resilience when coping with challenge. They will develop the skills to become independent in their learning in preparation for the next stage in their learning.

Maths

Arithmetic

Children will develop their mental methods of computation with all four operations to answer arithmetic problems quickly. They will develop their methods through regular practice of the times tables, through the 100 club, and by completing timed assessments.

Fractions, Decimals and Percentages

They will further develop their understanding of working with decimals, fractions and percentages. This will extend this to counting forwards and backwards in fractions and decimals and placing them on number lines.

Reasoning and Problem Solving

They will consolidate their understanding of adding, subtracting, multiplying and dividing fractions and decimals through a range of reasoning activities. Children will be able to find percentages of amounts. They will solve problems involving ratio and proportion and extend this to converting a range of measures, for eg, miles to kilometres and vice versa. They will apply their understanding of mathematical operations to solve multi-step problems in a range of contexts. Additionally, they will develop clearer explanations and reasoning to convince and prove why something is or is not the case using examples.

Physical Education

Children will develop flexibility, strength, technique, control and balance (for example, through athletics and gymnastics). They will perform dances using a range of movement patterns. They will compare their performances with previous ones and demonstrate improvement to achieve their best.

Bringing Learning to Life

Children will participate in a school dance competition. In Science they will use their understanding of viruses, bacteria, fungi and mould to design and make their own harmful or helpful microorganism. In Science, they will also create their own baby Reebops (marshmallow animals) by selecting chromosomes from two parents. This will help them to have a greater understanding of why characteristics are passed from parent to offspring.

Computing

Digital Literacy – Staying Safe online.

Children will learn to use technology safely, respectfully and responsibly and recognise acceptable/unacceptable behaviour. Children will also use I pads to support their learning across the curriculum and explore various apps including Google Expeditions.

Religious Education Buddhism and Christianity

Expressive and Visual Arts in Religion

Children will explore and describe a range of beliefs, practices and symbols in order to understand different ways of expressing meaning. They will use a range of artefacts, art, drama and song to explore the different ways that people express meaning. Children will consider how religious faiths are expressed through creative arts. They will consider how the mudras (gestures) of the Buddha can communicate meaning.