What will my child learn in Year 5?



This is a summary of what the children will be learning this year. A full explanation of skills, knowledge and vocabulary can be found on the curriculum pages.

Science

Space
Children learn about the Solar System. Children research how our ideas about the Solar System have changed over time by exploring the views of different scientists and mathematicians. They will also compare these views to current ideas about the Solar System.

Animals including humans
Children learn how humans grow and develop. They look at the six stages of the human life cycle – foetus, baby, child, adolescent, adult and elderly adult. Children briefly look at the key features of each stage of the human life cycle.

Life cycles
Children explore the four main stages of the life cycle of a mammal – foetus, young, adolescent and adult. Children complete a research enquiry, and discuss similarities and differences between the life cycles of humans and other mammals.

Reversible and irreversible change
Children learn about the process of dissolving and explore the difference between soluble and insoluble substances. Children will work scientifically by identifying whether a substance is soluble or insoluble and predict how other soluble substances behave.

Global warming
Children build on their understanding of planet Earth and look at the current issues around climate change and global warming. Children gain a simple understanding of global warming and learn what it is and why it is happening. They have opportunities to explore how global warming occurs, with reference to human action

History

Were the Vikings traders, raiders or something else?
Investigating what the Vikings were really like, creating a Viking trade route game, writing their version of a Viking saga, evaluating the impact of the Viking invaders on Britain and displaying the achievements of the Vikings in a 'Viking achievement gallery'.

What was life like in Tudor England?
Comparing Henry VIII and Elizabeth I, children learn about the changing nature of monarchy. They examine how monarchs tried to control their public images using portraits and royal progresses. Using Tudor inventories to investigate whether people were rich or poor, children learn what life was like for people in Tudor times.

What did the Greeks ever do for us?
Investigating the city-states of Athens and Sparta to identify similarities and differences between them, learning about democracy and assessing the legacy of the Ancient Greeks.

Geography

What Is Life Like in the Alps?
Considering the climate of mountain ranges and why people choose to visit the Alps; focusing on Innsbruck and looking at the human and physical features that attract tourists; investigating tourism in the local area and mapping recreational land use; presenting findings to compare the Alps to the children's own locality.

Why Do Oceans Matter?
Exploring the importance of our oceans and how they have changed over time with a focus on the Great Barrier Reef, specifically addressing climate change and pollution.

Would You Like to Live in the Desert?
Exploring hot desert biomes and learning about the physical features of a desert and how humans interact with this environment.

Computing

Computing systems and networks: Search Engines
Children learn how search engines work and develop searching skills to find relevant and accurate information online.

Data Handling: Mars Rover 1
Children identify some of the types of data that the Mars Rover collects and explaining how the Mars Rover transmits the data back to Earth.

Creating media: Stop motion animation
Children storyboard ideas, take photographs and edit to create a video animation.

Programming 1: Music : Scratch Applying programming skills.
Children create sounds and melodies leading to a battle of the bands performance.

Online Safety
Children learn about potential online dangers and safety.

Children also learn Music and access weekly PE and PSHE sessions.

Daily Literacy and Maths lessons support children to reach their curriculum end goals.

Each child has a **Homework Diary** which contains lots of useful links, information and passwords for different websites. Please use the diary to record their reading and non-urgent notes to school.



Art

Drawing: Depth, emotion and movement
Investigating how drawing can express emotion, movement and depth, inspired by the work of Charlie Mackesy and Elizabeth Catlett.

Painting & mixed media: Portraits
Children develop skills in creating interesting portrait drawings using words, experimenting with materials and techniques, and constructing self-portraits that represent aspects of themselves.

Sculpture: Interactive installation
Children learn about installation art, including identifying and comparing art installations, exploring space and scale in 3D art, problem-solving in construction, planning installations to communicate ideas, and applying knowledge to develop and present installation art pieces effectively.

Craft and design: Architecture
Children make observational drawing and prints, to design a building. They analyse Hundertwasser's work, and create meaningful monuments.

Design & Technology

Mechanical Systems: Pneumatic Toys
Children explore pneumatic systems, then apply their understanding to design and make a pneumatic toy including thumbnail sketches and exploded diagrams.

Textiles: Cushions
Children learn and apply two new sewing techniques – cross-stitch and appliqué. They will utilise these new skills to design and make a cushion.

Structures: Constructing a castle
Children will identify and learn about the key features of a castle, before designing and making a recycled-material castle (structure).

Electrical systems: Electric poster
Children learn about various forms of 'Information design' before they are briefed to develop an electric museum display based on the Romans.

Cooking and Nutrition: Eating seasonally
Children learn about seasonal foods and create a seasonal food tart.

RE

This year children explore religious freedom, global Christianity, leadership and beliefs about death and the afterlife. They evaluate how beliefs shape societies and influence people's decisions locally and globally.

Why do people have to stand up for what they believe in?

Children examine examples of people defending their beliefs and values.

Why doesn't Christianity always look the same?

Children investigate how culture, history and geography shape Christian practices.

What happens when we die? (Part 1)

Children explore beliefs about death, funerals and the afterlife from different perspectives.

What happens when we die? (Part 2)

Children compare beliefs about reincarnation, karma and life after death.

Who should get to be in charge?

Children investigate leadership, authority and the origins of rules and laws.

Why are some places in the world significant to believers?

Children explore the importance of pilgrimage sites and sacred places around the world.

Enrichment

All topics will be enriched with trips and visits e.g The History Man, Theatre Trips