What will my child learn in Year 3?



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

Skeletons, Movement, and Nutrition and Diet
Children will identify and name bones in both the human body and animals. They will learn about the function of the spine and explore which animals have a spine and which do not. The children will also investigate whether all skeletons are the same. Children will identify different joints and learn how we move using them. They will learn how the body uses energy and what makes up a balanced diet for humans.

Rocks and Soil
Observing the appearance and physical properties of rocks, children compare and group different rock samples. They learn about how fossils and soils are formed and record soil drainage rates in a bar chart.

Light and shadows
Identifying examples of light sources, children learn that light is needed to see and how its absence causes darkness. Children investigate reflection and shadow formation.

Plants: Plant reproduction
Children learn how plants reproduce in the context of the lifecycle of a flowering plant, gathering data on plant growth and investigating the structure and function of the parts of a flowering plant.

Forces and magnets
By investigating motion on different surfaces, children learn about friction and compare its uses and disadvantages. Children explore the properties of different magnets.

History

Would You Prefer to Live in the Stone Age, Iron Age or Bronze Age?
Looking at the chronology of mankind, children are introduced to Britain's story. They use archaeological evidence to find out about the Stone Age, Bronze and Iron Age.

Why Did the Romans Settle in Britain?
Children investigate why the Romans invaded Britain and the reaction of the Celts and learn how the Romans changed life in Britain.

What Did the Ancient Egyptians Believe?
Finding out about Egyptian beliefs, children make inferences about beliefs about the afterlife using primary sources. They investigate pyramids, gods and goddesses, and mummified people to identify Egyptian beliefs.

Geography

Why do people live near volcanoes?
Children learn that the Earth is constructed in layers, and the crust is divided into tectonic plates. They study the formation and distribution of mountains, volcanoes and earthquakes and use Mount Etna to identify how human interaction shapes a volcanic landscape.

Who lives in Antarctica?
Learning about how latitude and longitude link to climate and the physical and human features of polar regions with links to the explorer, Shackleton.

Are all Settlements the same?
Exploring different types of settlements, land use, and the difference between urban and rural. Children describe the different human and physical features in their local area and make land use comparisons with New Delhi.

Computing

Children expand their coding knowledge, learn how devices connect and communicate, create a range of digital media and begin organising information using databases.

Programming: Scratch
Children create programs using Scratch and develop their understanding of sequencing and coding.

Computing systems: Connecting devices
Children learn how devices connect and communicate with one another.

Programming: MakeCode: Loops
Children use loops to make programs more efficient and effective.

Creating media: Creating video trailers
Children plan, film and edit simple video trailers.

Creating media: Creating a website
Children design and create their own simple websites.

Data handling: Exploring branching databases
Children use branching databases to sort and classify information.

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

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

Art

Drawing: Growing artists
Children are taught how the use of shapes, shading, and texture in art can enhance their drawing skills. They use frottage for texture, and experiment with different tools to create expressive and abstract art.

Painting and Mixed Media: Prehistoric Painting
This unit explores prehistoric art, recreating the style of cave artists using charcoal and natural pigments. Children experiment with colour mixing, and creating large-scale artworks, enhancing both artistic skills and historical knowledge.

Sculpture & 3D: Abstract shape
This unit focuses on teaching children how to transform 2D card shapes into three-dimensional structures and sculptures. They explore abstract shapes and space, develop skills in constructing 3D objects, and understand the difference between 2D and 3D art.

Craft and design: Ancient Egyptian Scrolls
Children explore and create Ancient Egyptian art; designing scrolls, making paper, and creating contemporary responses using zines.

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.

Enrichment

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

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.



RE

This year children begin tackling deeper philosophical questions about identity, morality, scripture and symbolism. They explore how beliefs guide behaviour and influence religious and cultural traditions.

What makes us human?

Children consider ideas about identity, spirituality and what it means to be human.

Where do our morals come from?

Children explore how people decide what is right and wrong.

Is scripture central to religion?

Children investigate the importance and purpose of sacred texts.

What happens if we do wrong?

Children examine beliefs about wrongdoing, consequences and forgiveness.

Why is water symbolic?

Children explore the symbolic role of water in religious rituals and ceremonies.

Why is fire used ceremonially?

Children investigate how fire is used as a symbol within religious and cultural traditions.