

What will my child learn in Year 2?

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

Animals need for survival:

Children will know that all mammals need air, water, food and shelter to survive. They will need to recap the terms “carnivore”, “omnivore” and “herbivore” so they can differentiate between different dietary requirements. Children are also introduced to the term “insectivore” within this step.

Humans

Children look at how to keep healthy, identify, name, sort and classify different foods based on a range of categories. They learn about keeping clean and the reasons why personal hygiene is important. Children learn how to maintain good oral hygiene and the reasons why it is important.

Materials

Children identify objects that are made from natural, human made and recyclable materials. They will perform simple tests on each material to learn more about their structure and properties. Children will be using the terms “transparent”, “translucent” and “opaque” to describe materials, they will learn that there are different types of metal that are suitable for different uses.

Living things and their habitats

Children are introduced to the concept of a habitat, this includes the Arctic and Antarctica. They will be able to identify some animals and plants that are able to survive in these extreme conditions. Children will compare the differences between polar and desert animals and identify any differences between the animals that live in these habitats. Children explore the habitats of ocean animals.

Plants

Children have the opportunity to explore a wide range of plants. They will closely observe a diverse selection of plants. Children will be able to name and identify the parts of common plants and trees. Children explore the conditions plants need in order to grow.

Growing up

Children are introduced to the processes of growth in animals. Children are introduced to a simple human life cycle, including baby, child, teenager and adult. They will identify simple changes that occur within each life stage. Children will compare the life cycle of humans with other mammals, noticing patterns, similarities and differences.

History

How was School Different in the Past?

Children develop their understanding of chronology by placing photographs on a timeline and looking at dates. They look at a variety of different sources to learn about schools in the past.

How Did We Learn to Fly?

Children develop their understanding of historical significance by looking at different individuals and events. They learn about primary sources and why they are useful in helping us learn.

What is a monarch?

Children extend their understanding of what is beyond living memory by examining William the Conqueror in detail and comparing it to monarchy now.

Geography

Would you prefer to live in a hot or cold place? Children are introduced to the basic concept of climate zones and mapping out hot and cold places globally. They look at features in the North and South Poles and Kenya; and compare weather and features in the local area. Children also learn the four compass points and the continents of our world.

Why is Our World Wonderful?

Children learn about the world's wonders, the names and locations of the world's oceans and consider what is unique about the local area.

What is it like to live by the coast?

Children name and locate continents and oceans of the world while revisiting countries and cities of the UK and surrounding seas. They learn about the physical features of the Jurassic Coast and how humans have interacted with this, including land use and tourism.

Computing

Children build independence with computers while developing their understanding of algorithms, coding, the internet and online safety, alongside creating and evaluating digital content.

Computing systems: Using computers 2

Children build on their computer skills and work more independently with technology.

Programming 1: Algorithms and debugging

Children learn how algorithms work and how mistakes in programs can be identified and fixed.

Computing: The internet

Children learn what the internet is and how it helps people communicate and access information.

Programming 2: MakeCode

Children create simple programs using block-based coding software.

Creating media: Digital designers 3

Children use technology creatively to produce and edit digital content.

Online safety: Online privacy and safe use

Children learn how to stay safe online and protect their personal information.

Art

Drawing: Tell a story

Children develop their ability to tell a story through drawing, creating textures, observational drawing, character expression, and storytelling through illustrations.

Painting and mixed media: Life in colour

Children learn about primary and secondary colours, colour mixing, and creating textures using different tools.

Sculpture and 3D: Clay houses

Children create a pinch pot, design and make a clay tile with house features. Children develop their practical skills in working with clay and applying artistic techniques in a structured project.

Craft and design: Map it out

Children explore and create maps through various art forms, including drawing, felt making, printmaking, and designing stained glass. The lessons aim to develop skills in sorting, designing, and evaluating art, encouraging students to present and discuss their creations in a class gallery setting.

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

Daily literacy and maths lessons support children to reach their curriculum end goals.



RE

This year children deepen their understanding of worship, gratitude, prayer and important religious figures. They explore how special places, symbols and practices help people express their beliefs and identity.

Why do we need to give thanks?

Children examine how gratitude is expressed through beliefs, rituals and offerings.

Why is light important to people?

Children explore how light is used symbolically in celebrations and religious traditions.

How do we know some people feel a special connection to a god?

Children investigate stories about individuals believed to have a special relationship with a deity.

What is a prophet?

Children learn about prophets and their role in communicating important messages.

How do some people talk to God?

Children explore prayer and different ways people communicate with God.

Where do some people talk to God?

Children investigate places of worship and why they are important.

Design & Technology

Mechanisms: Making a moving monster

Children explore slider mechanisms and the movement they output to design, make and evaluate a moving storybook from a range of templates.

Structures: Baby Bear's chair

Children explore stability and methods to strengthen structures, to understand Baby Bear's chair weaknesses and develop an improved solution for him to use.

Textiles: Pouches

Children learn how to sew a running stitch ready to design, make and decorate a pouch using a template.

Cooking and nutrition: Balanced diet

Children learn about the importance of a balanced diet and use that knowledge to create a tasty wrap.

Mechanisms: Fairground wheels

Children will design and create a functional fairground wheel, learning how different components fit together so that the wheel rotates and the structure stands freely.

Enrichment

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