

Whole School Science Overview 2025-2026

Foundation Stage	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS 1	Let's Explore / Build it up	Marvellous Machines / Puppets and Pop ups	Long Ago / Stories and rhymes	Ready Steady Grow / Signs of Spring	Animal Safari / Creep, Crawl and Wiggle	On the Beach
	Let's Explore Children explore their local environment to find out about living things and the places in which they live. They are introduced to language related to their senses. Build it up Children explore, name and sort materials according to their properties. They are introduced to vocabulary, such as hard, soft, smooth, rough, light and heavy.	Marvellous Machines Children explore battery operated toys and explore how to make simple circuits. They learn about the properties of materials including magnetism. They conduct simple tests and explain the results using language such as because then, next. They are supported to use equipment to measure how far toy vehicles travel down a ramp. Puppets and Pop ups Children explore shadows, using puppets and toys	Long ago Children continue to explore and describe the properties of materials. Stories and rhymes Children build on their scientific skills from marvellous machines by carrying out simple investigations into materials.	Ready, Steady, Grow Children collect and record data in simple pictograms. They plant seeds and learn what plants and seeds need to survive and grow. They learn to name and describe parts of plants. Children learn about farm animals and match them to their babies. Signs of Spring Children learn how the weather changes with the seasons. They explore the life cycle of animals including frogs and chickens.	Animal Safari Children build on their knowledge of animals from the project ready steady grow. They explore how animals survive in the wild and understand what all animals need to survive. They observe the features of animals and learn about the similarities and differences between different animal groups. They learn about unfamiliar animals worldwide and understand the term 'habitat' Creep, Crawl and Wiggle Children develop their knowledge of animal features learned in Animal Safari as they compare the features of invertebrates. They explore their local environment to learn about the animals that live there and learn about invertebrates life cycle.	On the Beach Children develop their knowledge of animals learned in Animal safari as they learn about marine animals and compare their features. They are introduced to the phenomena of floating and sinking and extend their knowledge of materials and their properties from Marvellous machines as they carry out investigations to discover Waterproof fabrics.
EYFS 2	Me and My Community	Once Upon a Time / Sparkle and Shine	Starry Night / Winter Wonderland	Dangerous Dinosaurs / Puddles and Rainbows	Sunshine and Sunflowers / Shadows and Reflections	Big Wide World / Splash! / Moving on
	Exploring Autumn Children explore the natural world and find out about the plants and animals in their local environment. They learn	Once upon a time Children are introduced to everyday materials and help story characters solve problems by exploring the	Starry Night Children build on knowledge of animals that live in their local environment from exploring Autumn and learn	Dangerous Dinosaurs Children revisit shadows and shadow making. They are introduced to the terms 'carnivore' and 'herbivore'	Sunshine and Sunflowers Children are introduced to the features of plants and learn vocabulary including seed, leaf, stem, root and	Big Wide World Children identify the common features of animals, building on prior learning. They are

	about the features of woodland animals and explore how wild animals differ from pets. They observe how plants change and explore growth and decay. Children begin to learn about seasons, seasonal change and the weather.	properties of materials and sorting them into groups. Sparkle and Shine Children build on their knowledge of properties of materials from once upon a time to explore reflective materials.	about nocturnal animals and their features. They develop an understanding of everyday materials and properties by learning and using new vocabulary including, smooth, hard, soft, rough. The children are introduced to the phenomenon of shadows and identify how shadows are made and make them bigger and smaller. Winter Wonderland Children learn what animals need to grow and survive and how to care for animals that live in their local environment. They further explore seasonal changes including weather. They are introduced to the process of melting and freezing.	when studying the diet of animals. Puddles and Rainbows Children and explore and describe the phenomenon of rainbows. They continue to learn about seasonal changes building on their learning from Exploring Autumn and winter wonderland. Children identify what plants need to grow and survive. They develop their understanding of materials and their properties from the project sparkle and shine to include waterproof materials.	petal. They revisit what plants and animals need to grow and survive introducing in Exploring Autumn and puddles and rainbows by planting seeds and looking after insects in the environment. They learn about the features of insects and build on the knowledge of growth and decay as they make compost. Shadows and Reflections Children revisit learning about the phenomena of light, shadows and reflections explored in Starry Night and Sparkle and Shine. They are introduced to the terms 'opaque' and 'transparent' as they test materials. They investigate the size and shape of shadows and how shadows change throughout the day.	introduced to the term 'habitat' and explore habitats world wide. Splash! Children are introduced to the phenomena of floating and sinking and are supported to describe, predict and investigate objects that float and sink. They develop their scientific knowledge of freezing and melting, first explored in winter wonderland. Children develop their understanding of plants and caring for the plants they grow. Moving on Children explore and discuss how weather effects the environment. They learn about seasonal changes.
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Key Stage 1	Autumn Term	Spring Term	Summer Term
Year 1	Childhood	Bright Lights Big City	School Days
	Everyday Materials (Science) This project teaches children that objects are made from materials. They identify a range of everyday materials and their sources. Children investigate the properties of materials and begin to recognise that a material's properties define its use. Human Senses (Science) This project teaches children that humans are a type of animal known as a mammal. They name and count body parts and identify similarities and differences. They learn about the senses, the body parts associated with each sense and their role in keeping us safe.	Seasonal Sunrises (Science) This project teaches children about the seasons, seasonal changes and typical seasonal weather and events. They learn about measuring the weather and the role of a meteorologist. Children begin to learn about the science of day and night and recognise that the seasons have varying day lengths in the UK.	Plant Parts (Science) This project teaches children about wild and garden plants by exploring the local environment. They identify and describe the basic parts of plants and observe how they change over time. Animal Parts (Science) This project teaches children about animals, including fish, amphibians, reptiles, birds, mammals and invertebrates. They identify and describe their common structures, diets, and how animals should be cared for
Year 2	Movers & Shakers	Coastline	Magnificent Monarchs
	Human Survival (Science) This project teaches children about the basic needs of humans for survival, including the importance of exercise, nutrition and good hygiene. They learn how human offspring grow and change over time into adulthood. Habitats (Science) This project teaches children about habitats and what a habitat needs to provide. They explore local habitats to identify and name living things and begin to understand how they depend on one another for food and shelter.	Uses of Materials (Science) This project teaches children about the uses of everyday materials and how materials' properties make them suitable or unsuitable for specific purposes. They begin to explore how materials can be changed. Plant Survival (Science) This project teaches children about the growth of plants from seeds and bulbs. They observe the growth of plants firsthand, recording changes over time and identifying what plants need to grow and stay healthy.	Animal Survival (Science) This project teaches children about growth in animals by exploring the life cycles of some familiar animals. They build on learning about the survival of humans by identifying the basic needs of animals for survival, including food, water, air and shelter.

Lower Key Stage 2	Autumn Term	Spring Term	Summer Term
Year 3 / 4	Invasion	Misty Mountain, Winding River	Ancient Civilisations
	Food & Digestive System (Science) This project teaches children about the human digestive system. They explore the main parts, starting with the mouth and teeth, identifying teeth types and their functions. They link this learning to animals' diets and construct food chains to show the flow of energy. Sound (Science) This project teaches children about sound, how sound is made and how sound travels as vibrations through a medium to the ear. They learn about pitch and volume and find out how both can be changed.	States of Matter (Science) This project teaches children about solids, liquids and gases and their characteristic properties. They observe how materials change state as they are heated and cooled, and learn key terminology associated with these processes. Grouping & Classifying (Science) This project teaches children about grouping living things, known as classification. They study the animal and plant kingdoms and use and create classification keys to identify living things.	Electrical Circuits and Conductors (Science) This project teaches children about electrical appliances and safety. They construct simple series circuits and name their parts and functions, including switches, wires and cells. They investigate electrical conductors and insulators and identify common features of conductors. It also teaches children about programmable devices. They combine their learning to design and make a nightlight

Upper Key Stage 2	Autumn Term	Spring Term	Summer Term
Year 5	Dynamic Dynasties	Sow, Grow & Farm	Groundbreaking Greeks
	Forces and Mechanisms (Science) This project teaches children about the forces of gravity, air resistance, water resistance and friction, with children exploring their effects. They learn about mechanisms, their uses and how they allow a smaller effort to have a greater effect. Earth and Space (Science) This project teaches children about our Solar System and its spherical celestial bodies. They describe the movements of the Earth and the other planets relative to the Sun, the Moon relative to Earth, and the Earth's rotation to explain day and night.	Human reproduction & Aging (Science) This project teaches children about animal life cycles, including the human life cycle. They explore human growth and development to old age, including the changes experienced during puberty and human reproduction.	Properties and Changes of Materials (Science) This project teaches children about the wider properties of materials and their uses. They learn about mixtures and how they can be separated using sieving, filtration and evaporation. They study reversible and irreversible changes, and use common indicators to identify irreversible changes.
Year 6	Maafa	Frozen Kingdoms	Britain at War
	Circulatory System (Science) This project teaches children about the transport role of the human circulatory system, its main parts and primary functions. They learn about healthy lifestyle choices and the effects of harmful substances on the body.	Electrical Circuits and Components (Science) This project teaches children about electrical circuits, their components and how they function. They recognise how the voltage of cells affects the output of a circuit and record circuits using standard symbols. It also teaches children about programmable devices, sensors and monitoring. They	Light Theory (Science) This project teaches children about the way that light behaves, travelling in straight lines from a source or reflector, into the eye. They explore how we see light and colours, and phenomena associated with light, including shadows, reflections and refraction.

		combine their learning to design and make programmable home devices.	Evolution & Inheritance (Science) This project teaches children how living things on Earth have changed over time and how fossils provide evidence for this. They learn how characteristics are passed from parents to their offspring and how variation in offspring can affect their survival, with changes (adaptations) possibly leading to the evolution of a species
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