

Science Content Coverage for Primary

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	The human body	Materials	Animals	Our planet	Plants	Growing & Cooking
Year 1	Pupils learn about their bodies, including basic parts, senses, and their functions. They explore how different body parts help us move, see, hear, touch and taste, and consider ways to stay healthy.	Children identify and describe everyday materials such as wood, plastic, metal and glass. They explore properties like hardness, flexibility and suitability for different purposes.	Pupils learn to name and group a variety of animals, including mammals, birds, fish, reptiles and amphibians. They compare characteristics and explore how animals are suited to their environments	Children explore the world around them, including land, sea, air and weather. They consider ways humans can care for the planet and protect the environment.	Pupils learn about common plants and trees and their basic structures. They investigate what plants need to grow and stay healthy, such as water, light and nutrients.	Children explore how plants grow and where food comes from. They develop basic understanding of healthy eating and food preparation.
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Animals and Survival	Materials	Plants (Light and Dark)	Living things and their habitats	Plants and Wildlife	Growing Up
Year 2	Pupils learn about animals, including humans, and their basic needs for survival. They explore food chains and how animals depend on their habitats to survive.	Children investigate materials and their properties. They explore changes through squashing, bending, stretching and twisting, and how materials are chosen for different uses.	Pupils explore plant growth and how light affects it. They investigate the importance of light for photosynthesis and plant health.	Children explore a variety of habitats and the plants and animals within them. They learn how living things are suited to their environments.	Pupils build on previous plant knowledge, exploring local wildlife and how plants and animals interact. They investigate food chains and interdependence.	Children learn about the human life cycle and how humans grow and change. They explore basic needs, body changes, and development across different stages of life.
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	Skeletons	Rocks	Fossil & Soils	Light	Plants A	Forces & Magnets
Year 3	Pupils learn about the human skeleton and muscles. They explore how bones support the body, protect organs, and work with muscles to allow movement.	Children investigate different types of rocks and their properties. They explore how rocks are formed and used by humans.	Pupils learn how fossils are formed and what they tell us about the past. They investigate soil types and their composition and uses..	Children explore how light travels and how it enables us to see. They investigate reflection, shadows, and how light interacts with different surfaces.	Pupils learn about the structure of flowering plants. They investigate how water is transported and the role of flowers in plant reproduction.	Children explore forces such as pushes and pulls. They investigate magnets, magnetic materials, and simple magnetic forces in practical experiments.

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	Classifying living things	States of Matter	Sound	Electricity	Data Collection & Habitats	The digestive system
Year 4	Pupils explore how living things are classified. They use classification keys to group organisms and understand characteristics shared by similar species.	Children learn about the life of the Buddha and key Buddhist teachings. Pupils explore ideas such as mindfulness, kindness and the Eightfold Path.	Pupils investigate how sound is made and travels. They explore pitch, volume, and how vibrations are responsible for sound.	Children build and investigate simple electrical circuits. They learn about components, conductors, insulators, and how electricity is used safely.	Pupils collect and record data about living things and their habitats. They explore patterns, environmental changes, and the impact on plants and animals.	Children learn about the human digestive system and the role of different organs. They explore how food is broken down and nutrients are absorbed..
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	Forces	Space	Properties of materials	Animals & their lifecycles	Irreversible Changes	Reproduction
Year 5	Pupils explore different types of forces, including gravity, friction, air resistance and water resistance. They investigate how forces affect movement.	Children learn about the solar system, Earth, Moon and Sun. They explore day and night, seasons, and planetary movements.	Pupils investigate properties of materials, such as hardness, transparency, conductivity and solubility. They explore why materials are selected for specific purposes.	Children learn about life cycles of animals, including mammals, amphibians and insects. They explore reproduction, growth, and development stages.	Pupils explore chemical changes that cannot be reversed, such as burning or rusting. They investigate reactions in everyday materials.	Children explore plant and animal reproduction. They learn about pollination, fertilisation, and the dispersal of seeds.
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	Living things and their habitat	Electricity	Light	Circulatory System Diet, Drugs & Lifestyle	Variation & Adaptations	Fossils
Year 6	Pupils classify living things and explore biodiversity. They learn about micro-organisms, animals and plants, and the relationships within ecosystems.	Children build and investigate more complex electrical circuits. They explore voltage, current, and how different components affect circuits.	Pupils explore how light travels, reflection, refraction and the visible spectrum. They investigate how we see and the role of lenses and shadows.	Children learn about the human circulatory system, including the heart, blood, and blood vessels. They explore how blood transports nutrients and oxygen.	Pupils learn how diet, exercise, lifestyle and medicines affect health. They explore the effects of harmful substances on the body.	Children explore how living things adapt to survive in different environments. They learn how fossils provide evidence for evolution and inheritance.