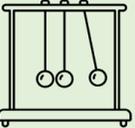


Science Subject Progression:

		Nursery & Reception	Year 1 & 2	Year 3 & 4	Year 5 & 6
	Scientific Enquiry	Children begin to explore the world around them through simple questioning and observation. They investigate objects, materials, and living things using their senses, noticing patterns and differences. Children start to ask 'why' and 'how' questions about what they see and experience.	Children develop their ability to ask questions and explore scientific ideas through simple investigations. They begin to make predictions and carry out basic experiments using observation, sorting, and measuring. Children learn to record findings using pictures, charts, and verbal explanations.	Children develop their skills in scientific enquiry by planning and carrying out simple investigations. They begin to make predictions based on prior knowledge, use fair testing, and record results systematically. Children learn to draw conclusions from their findings and communicate their ideas using scientific vocabulary.	Children develop confidence in scientific enquiry by designing their own experiments, using accurate measurements and recording data systematically. They refine their ability to make predictions, identify patterns, and draw conclusions based on evidence. Children begin to evaluate their methods and suggest improvements.
	Biology	Children develop an early understanding of living things by exploring plants, animals, and their own bodies. They begin to recognise basic life processes such as growth, movement, and change. Children start to notice how living things depend on their environment.	Children build on their knowledge of living things by identifying and classifying plants and animals. They explore life cycles, basic needs for survival, and the importance of a healthy lifestyle. Children begin to understand simple food chains and how different habitats support living things.	Children explore the structure and function of the human body, including the digestive system, skeleton, and muscles. They learn about plant life cycles, identifying how plants grow and reproduce. Children develop their understanding of habitats, food chains, and environmental changes.	Children deepen their understanding of the human body, learning about the circulatory system, reproduction, and the effects of diet and exercise on health. They explore evolution and inheritance, recognising how characteristics are passed from one generation to the next. Children develop their understanding of ecosystems and how organisms depend on each other.
	Chemistry	Children explore materials and their properties through hands-on experiences such as mixing, sorting, and changing substances. They begin to describe textures, colours, and states of matter, noticing how materials behave differently in various situations.	Children explore the properties of everyday materials, describing how they can be changed by bending, stretching, heating, or cooling. They begin to test materials for different purposes and develop an early understanding of why certain materials are suited to specific tasks.	Children investigate the properties of solids, liquids, and gases, exploring how materials change state. Children explore the water cycle and how materials can be separated by filtering, sieving, or evaporating.	Children investigate reversible and irreversible changes, exploring chemical reactions such as burning and rusting. They learn about the properties and uses of different materials, testing how substances behave under different conditions. Children begin to understand how mixtures can be separated using different scientific methods.
	Physics	Children begin to explore simple physical concepts such as light, sound, movement, and forces. They notice how objects move when pushed or pulled and start to describe how things change, such as ice melting or shadows appearing.		Children develop their understanding of forces, including friction, gravity, and magnetism. They explore how light travels in straight lines. Children begin to investigate sound, learning how vibrations create different pitches and volumes.	Children explore more complex forces such as air resistance, water resistance, and upthrust. They investigate how electrical circuits work, exploring conductors, insulators, and how voltage affects components. Children deepen their understanding of light and recognising how it travels.
	Earth and Space	Children develop an awareness of the natural world, exploring weather, seasons, and changes in the environment. They begin to notice patterns, such as the difference between day and night, and explore simple ideas about space through stories and imaginative play.	Children explore seasonal changes, recognising patterns in weather and day length. They begin to learn about the Earth, Sun, and Moon, noticing how they move in relation to each other. Children start to develop an awareness of how the environment affects living things.	They explore the water cycle and how weather patterns affect the environment. Children begin to learn about rocks, soils, and fossils, investigating how they are formed.	Children explore the solar system, learning about the planets, moons, and the effect of gravity in space. They investigate how the Earth's rotation creates time zones and how the movement of celestial bodies affects life on Earth.