Science | Curriculum Overview

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Year 1	**Seasonal Changes**	**Everyday Materials**	**Animals Including Humans: Sensitive Bodies**	**Animals Including Humans: Comparing Animals**	**Plants: Introduction to Plants**
	Observes seasonal patterns and explores changes in day length and weather.	Explores, names, and compares materials based on simple physical properties.	Names body parts and associates them with the senses.	Identifies and groups common animals, including diets and structures.	Identifies and names common plants and describes basic plant parts.
Year 2	**Living Things: Habitats**	**Living Things: Microhabitats**	**Uses of Everyday Materials**	**Animals Including Humans: Life Cycles and Health**	**Plants: Plant Growth**
	Describes how different habitats meet the needs of living things.	Explores conditions in microhabitats and simple food chains.	Compares and tests materials for specific purposes.	Explores offspring, basic needs for survival, and hygiene.	Observes how seeds and bulbs grow and what plants need to stay healthy.
Year 3&4A	**Living Things: Classification and Changing Habitats**	**Materials: States of Matter**	**Energy: Sound and Vibrations**	**Energy: Electricity and Circuits**	**Animals Including Humans: Digestion and Food**
	Uses classification keys to group living things based on observable characteristics and explains how environmental changes affect habitats.	Describes the properties of solids, liquids, and gases and explains how materials change state through heating and cooling.	Explores how sounds are made through vibrations, how sound travels through different materials, and how pitch and volume can be changed.	Constructs simple series circuits, identifies common conductors and insulators, and explains the function of switches.	Explains the role of the digestive system and teeth in breaking down food and describes simple food chains.
Year 3&4B	**Animals Including Humans: Movement and Nutrition**	**Forces and Space: Forces and Magnets**	**Materials: Rocks and Soil**	**Energy: Light and Shadows**	**Living Things: Plant Reproduction**

	Describes the role of the skeleton and muscles in movement and explains the importance of a balanced diet for maintaining health.	Investigates magnetic attraction and repulsion, friction, and how different surfaces and magnetic strengths affect movement.	Classifies rocks by their properties, explains how fossils form, and compares different soils using practical investigations.	Explores how light travels in straight lines, reflects off surfaces, and casts shadows, investigating how shadows change with distance.	Describes the functions of different parts of flowering plants and explains how pollination, fertilisation, and seed dispersal occur.

Year 5	**Materials: Mixtures and Separation**	**Materials: Properties and Changes**	**Earth and Space**	**Living Things: Life Cycles and Reproduction**	**Forces: Unbalanced Forces**	**Animals Including Humans: Human Timeline**
	Combines knowledge of materials, their properties, and separation methods such as sieving, filtering and evaporation.	Explores material properties such as hardness, transparency and conductivity, while distinguishing between reversible and irreversible changes.	Describes planetary motion, phases of the Moon, day/night and seasonal change using scientific models.	Compares life cycles of plants and animals, including mammals, amphibians, insects and birds, and explores reproduction.	Explores gravity, air and water resistance, friction and mechanisms including levers, pulleys and gears.	Describes stages of human development and explains physical changes over the human lifespan.

Year 6	**Living Things: Classifying Big and Small**	**Light and Reflection**	**Evolution and Inheritance**	**Electricity: Circuits, Batteries and Switches**	**Animals Including Humans: Circulation and Health**
	Uses classification systems and explores characteristics of plants, animals and microorganisms.	Explains how light travels and how we see objects and shadows.	Explores fossils, variation, and adaptation leading to evolution.	Uses symbols to represent more complex series circuits.	Describes the circulatory system and the impact of diet, drugs, and lifestyle.