Science

	Autumn		Spring		Summer	
Year 1	**BIOLOGY** **Plants** Identifying and naming common plants and describing basic structures	**BIOLOGY / PHYSICS** **Seasonal changes** Observing changes across four seasons and describing associated weather	**CHEMISTRY** **Everyday materials** Distinguishing objects from their material, and describing simple properties		**BIOLOGY** **Animals** Naming reptiles, fish, amphibians, birds and mammals; carnivores, herbivores, omnivores	**BIOLOGY** **Humans** Human body parts and senses
Year 2	**BIOLOGY** **Plant growth** Plants grow from seeds, and require water, light and a suitable temperature	**BIOLOGY** **Needs of animals** Animals need water, food and air to survive and to have offspring	**CHEMISTRY** **Uses of materials** Comparisons of an object's material with its use; impact of bending, twisting on solid objects	**BIOLOGY** **Living things & habitats** Introduction to habitats, micro-habitats, and simple food chains	**Consolidation and review**	**CHEMISTRY** **Solids, liquids and gases** How the same substances can exist as solids, liquids and gases
Year 3	**BIOLOGY** **Organisms** The role of muscles and skeletons; the importance of nutrients	**PHYSICS** **Forces & motion** Introducing pushes and pulls; opposing forces, and balanced forces	**CHEMISTRY** **Rocks** Comparisons of types of rocks and how fossils are formed	**PHYSICS** **Magnetism** Contact and non-contact forces, including friction and magnetism	**BIOLOGY** **Plants** Features of flowering plants and what they need to survive	**PHYSICS** **Light** Relationship between light and how we see; the formation of shadows
Year 4	**BIOLOGY** **Classifying organisms** Introduction to classifying animals and their environment	**PHYSICS** **Electricity** Simple series circuits	**PHYSICS** **Sounds** Relationship between strength of vibrations and volume of sound	**BIOLOGY** **Food & digestion** The human digestive system and food relationships in ecosystems	**CHEMISTRY** **Particle model and states of matter** States of matter in relation to particle arrangement	**CHEMISTRY** **Properties of materials** Considering physical and chemical properties
Year 5	**CHEMISTRY** Changing materials	**PHYSICS** **Earth and space** Movements of planets and the Moon, and relationship to day and night	**PHYSICS** **Electricity** Investigating variations in series and parallel circuits, and how electricity is generated	**PHYSICS** **Forces** Gravity, air and water resistance and friction; introduction to pulleys	**BIOLOGY** **Life cycles** Life cycles of a mammal, amphibian, insect, bird, and some reproduction processes	**BIOLOGY** **Human development** Human development to old age

Year 6	**BIOLOGY** **Further classification** Further classification of organisms based on characteristic	**PHYSICS** **Light** How light travels and is reflected, and how this allows us to see	**BIOLOGY** **Functions of the human body** Human circulatory system; transport of nutrients within the body	**BIOLOGY** **Evolution** Fossils; introduction to the idea that adaptation may lead to evolution	**Consolidation and review**	**CHEMISTRY** **Physical and chemical changes** Identifying physical and chemical changes