SCIENCE		Autumn	Spring	Summer
Reception			Spring into our step Wildlife and weather in spring and winter; habitats around our school	Science detectives Properties of materials and habitats around the world
Years 1 and 2	Year A	Animals (Year 1) Naming reptiles, fish, amphibians, birds and mammals; carnivores, herbivores, omnivores	Needs of animals (Year 2) Animals need water, food and air to survive and to have offspring	Plants (Year 1) Identifying and naming common plants and describing basic structures
		Humans (Year 1) Human body parts and senses		Plant Growth (Year 2) Plants grow from seeds, and require water, light and a suitable temperature
	Year B	Everyday materials (Year 1) Distinguishing objects from their material, and describing simple properties	Seasonal Change (Year 1) Observing changes across four seasons and describing associated weather	Living things and habitats (Year 2) Introduction to habitats, micro-habitats, and simple food chains
		Use of materials (Year 2) Comparisons of an object's material with its use; impact of bending, twisting on solid objects		Solids, liquids and gases (Year 2) How the same substances can exist as solids, liquids and gases
Years 3 and 4	Year A	Particle model and state of matter (Year 4) States of matter in relation to particle arrangement	Plants (Year 3) Features of flowering plants and what they need to survive	Rocks (Year 3) Comparisons of types of rocks and how fossils are formed
		Organisms (Year 3) The role of muscles and skeletons; the importance of nutrients	Properties of materials (Year 4) Considering physical and chemical properties	Classifying organisms (Year 4) Introduction to classifying animals and their environment
	Year B	Forces and motion (Year 3) Introducing pushes and pulls; opposing forces, and balanced forces	Electricity (Year 4) Simple series circuits	Sounds (Year 4) Relationship between strength of vibrations and volume of sound
		Magnetism (Year 3) Contact and non-contact forces, including friction and magnetism	Food and digestion (Year 4) The human digestive system and food relationships in ecosystems	Light (Year 3) Relationship between light and how we see; the formation of shadows
Years 5 and 6	Year A	Forces (Year 5) Gravity, air and water resistance and friction; introduction to pulleys	Earth and Space (Year 5) Movements of planets and the Moon, and relationship to day and night	Life cycles (Year 5) Life cycles of a mammal, amphibian, insect, bird, and some reproduction processes
		Light (Year 6) How light travels and is reflected, and how this allows us to see	Energy (Year 5) Introducing the concept of energy stores and energy transfers; relate this to prior knowledge	Human development (Year 5) Human development to old age
	Year B	Electricity (Year 6) Investigating variations in series and parallel circuits, and how electricity is generated	Physical and chemical changes (Year 6) Identifying physical and chemical changes	Functions of the human body (Year 6) Human circulatory system; transport of nutrients within the body
		Separating mixtures (Year 5) Identifying and separating mixtures; reversible and non-reversible changes	Further classification (Year 6) Further classification of organisms based on characteristics	Evolution (Year 6) Fossils; introduction to the idea that adaptation may lead to evolution

Biology	Physics	Chemistry