St Wilfrid's Catholic Primary School – September 2024 Curriculum

SCIENCE EYFS & KS1

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS (Half-termly themes)	**Autumn** Exploring natural world around them, seasonal changes		**Space** Different environments	**Living things** Spring/ Minibeasts Lifecycles Animal + plant observations Chick/caterpillar-butterfly observations Seasonal changes		**Pirates/ Sea sides** Environment-similarities/differences Materials: Floating and sinking
EYFS (weekly themes, also fits in with chn's interests)	• Plant seeds and care for growing plants • Key features of a life cycle of plants/animals • Explore and talk about different forces they feel • Explore the natural world around them, make observations and draw pictures of animals and plants. • Describe what they see, hear and feel whilst outside. • Recognise some environments that are different to the one in which they live. • Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. • Understand some important processes and changes in the natural world around them, including the seasons & changing states of matter.					
Year 1	**The Weather** – across the year, Year 1 will observe changes across the four seasons through observations of nature and weather patterns					
	Everyday materials (develop vocabulary to describe and name materials)	**Plants** (name plants including trees, describe the structure of flowering plants)	**Animals, including humans** (name animal kingdoms and compare structure of different animals, name some carnivores, herbivores and omnivores, human body parts and senses)		**Everyday materials** (compare and group materials based off their physical properties)	**Plants** (plant seeds & bulbs & observe growth. Study flowers & trees in the wild & cultivated areas making sketches & notes)
Year 2	**Living things and their habitats** (identify living, dead and never alive things, food chains)	**Habitats** (familiar and unfamiliar habitats including microhabitats)	**Animals, including humans** (animal and human needs including diet, exercise and hygiene)	**Plants** (grow plants from seeds and bulbs, monitor them & know what plants need to grow)	**Animals, including humans** (animal and human life stages)	**Uses of everyday materials** (suitability of materials for particular uses, changing solid objects by squashing, bending, twisting and stretching)

SCIENCE KS2

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	**Animals, including humans** (how animals get nutrition, skeletons and muscles and their functions)	**Plants** (function of parts of flowering plants, requirements for growth, water transportation)	**Rocks, soils and fossils** (compare and group rocks, fossil formation, soil composition)	**Forces and magnets** (difference between contact forces and magnetic force, investigate magnets and their properties)	**Light** (light and dark, reflections, the sun, investigating shadows)	
Year 4	**Animals, including humans** (digestive system, human teeth and their functions, food chains)	**Sound** (how sounds are made and travel, pitch and volume of sounds)	**States of matter** (solids, liquids and gases, changing states, the water cycle)		**Living things and their habitats** (grouping living things in a variety of ways, classification keys, changing environments)	**Electricity** (electrical appliances, make and investigate circuits, open and closed circuits, conductors and insulators)
Year 5	**Forces** (gravity, friction, air & water resistance, levers, pulleys and gears)	**Living things & their habitats** (life cycles of mammals, amphibians, insects and birds, reproduction in plants and animals)	**Changes of materials**	**Earth and space** (movement of planets in our solar system, movement of our moon, Earth's rotation)	**Properties and changes of materials** (group materials based on properties, solutions, mixtures, reversible and irreversible changes	**Animals, including humans** (changes as humans develop to old age)
Year 6	**Light** (light and how it travels, shadows)	**Living things and their habitats** (classification of living things including micro-organisms, plants and animals and reasons for it)	**Animals, including humans** (circulatory system and functions, impact of diet, exercise, drugs and lifestyle, nutrient and water transportation)	**Evolution and inheritance** (changes in living things over time, offspring, adaptations of plants and animals leading to evolution)	**Electricity** (investigate the effect changing voltage has on a circuit, function of electrical components, circuit symbols in a diagram)	