



St. Mary's Catholic Primary, Blackbrook



Science Overview 2021 - 22

Biology Themes	Plants	Living Things and Their Habitats	Animals including Humans	Evolution and Inheritance	
Chemistry Themes	Materials	Rocks	States of Matter		
Physics Themes	Seasonal Changes	Forces	Electricity	Sound	Light

		Term 1		Term 2		Term 3	
		Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
EYFS	FS1	Five sense Natural materials	Make healthy choices about food, drink, activity and toothbrushing.	Understand the key features of the life cycle of a plant and an animal. Begin to understand the need to respect and care for the natural environment and all living things.	Plant seeds and care for growing plants.	Explore how things work. Explore and talk about different forces they can feel.	Understand 'why' questions, like: "Why do you think ...?" Explore and talk about different forces they can feel.
	FS2	Describe what they see, hear and feel whilst outside. Recognise some environments that are different to the one in which they live.	Describe what they see, hear and feel whilst outside. Recognise some environments that are different to the one in which they live.	Explore the natural world around them.	Explore the natural world around them.	Understand the effect of changing seasons on the natural world around them. Healthy Lifestyle	Understand the effect of changing seasons on the natural world around them. Healthy Lifestyle



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Year 1	Animals including Humans Humans/Animal bodies	Animals including Humans Bodies, senses, grouping by diet	Animals including Humans Australian animals – grouping by type/diet (mammals, reptiles, amphibians, bird)	Plants Parts of flowering plants and trees Identifying a variety of plants and trees	Animals including Humans Sea Animals – grouping by type/diet (fish, reptiles and birds)	Materials Floating and Sinking
		Seasonal Changes Autumn	Seasonal Changes Winter	Seasonal Changes Spring	Seasonal Changes Summer	
Year 2	Living Things and their habitats Living & Non-Living Things	Animals including Humans Animals and their offspring Human diet and exercise	Materials Classifying materials: unsuitable or suitable?		Plants What do plants need to stay healthy? Seeds and bulbs	
Year 3	Rocks Rocks and fossils	Forces Magnets and magnetic material	Light Light and shadows	Plants Identify functions of the different parts of a plant. Pollination, seed formation and seed dispersal.		Animals including Humans Nutrition, skeletons and muscles



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Year 3			Rocks Soils		
Year 4	Animals including Humans The Digestive System Teeth		States of Matter Solids, Liquids and Gases The Water Cycle	Sound	Electricity What do we use electricity for? Simple circuits and switches. Conductors and insulators
Year 5	Living Things and their habitats Life Cycles of mammals, amphibians, birds and insects. Different types of reproduction in plants	Earth and Space	Properties and Changes of Materials Reversible and irreversible changes Filtering, sieving and evaporating	Forces Gravity, air resistance, water resistance and friction. Levers and pulleys.	Animals Including Humans Changes gone through as humans develop to old age
Year 6	Evolution and Inheritance	Electricity Explore effects of changing voltage Use recognised symbols for diagrams of simple circuits Make circuits to solve problems	Living Things and their habitats Classify plants and animals based on specific characteristics Micro-organisms, plants and animals.	Animals including humans The circulatory system Impact of lifestyle on bodies function.	Light Light travels in straight lines. Behaviour of light, shadows, reflections. How we see things.