



Holy Cross Catholic Primary School Science Long Term Overview

2022-2023 only

	Advent 1	Advent 2	Lent 1	Lent 2	Pentecost 1	Pentecost 2
Nursery	Plant seeds and care for growing plants; 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.					
	Talk about the differences between materials and changes they notice. Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties.					
	Explore and talk about different forces they can feel.					
R	Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. •					
	Explore the natural world around them, making observations and drawing pictures of animals and plants.					
	Understand the effect of changing seasons on the natural world around them.					
Y1	Animals including humans 1 Human Body	Everyday Materials Identify and name materials; properties of materials		Plants Parts of plants; seeds and bulbs; deciduous, evergreen; food/farming	Animals including humans 2 Name, describe, compare animals Carnivores, herbivores, omnivores	
	Seasonal Change, Day length, Autumn, Winter, Spring, Summer, weather					
Y2	Animals including humans 1 Basic needs humans: exercise and types of food	Everyday Materials uses; properties of liquids; changing solids	Living things and their habitats habitats: food chains	Plants Plants around us; Seeds and bulbs, growing plants	Animals including humans 2 Living, dead, never alive, plant and animal needs and offspring	
Y3	Animals including humans Muscles, skeletons <i>(Teeth covered Advent 1 2022. Muscles, Skeletons needed Y4 Advent 1 2023)</i>	Plants Life cycle of flowering plants	Light How we see, shadows; mirrors and reflection	Forces and Magnets Gravity, friction, magnetism magnetic poles, and fields		Rocks Rocks, fossils, soil
Y4	Animals including humans Teeth	Animals including humans Senses, digestion, healthy diet, vitamin and minerals. Food chains.	States of matter Solids, liquids and gases The Water Cycle Evaporation, Condensation	Electricity Switches, circuits, conductors, insulators	Plants Life cycle of flowering plants	Rocks Rocks, fossils, soil
Y5	Living Things and their habitats Life cycles, reproduction, offspring <i>(Electricity covered Advent 1 2022. Living Things and their habitats - Life cycles,</i>	Properties and changes of materials Changing states, grouping and separating (filtering, evaporating) Changing states, dissolving, mixing, reversible changes Chemical/irreversible changes		Forces Gravity, air resistance, water resistance and Friction, mechanisms.	Earth and Space Our Solar System, the Moon, day and night.	Animals including humans: Changes in humans to old age

Biology	Physics	Chemistry
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	reproduction, offspring needed Y6 Lent 1 2024)				
Y6	Animals including humans Heart and circulatory system; diet, exercise, effect of drugs (Already covered in Lent 1 2022 - Y5)	Light How we see. Transparent, translucent	Electricity Changing circuits, circuit diagrams Electrical/ thermal materials (Already covered in Advent 1 2022 - Y6)	Living Things and their habitats Classification (Already covered in Lent 2/Pentecost 1 2022 - Y5)	Evolution and Inheritance: Adaptation and evolution Fossils, Mary Anning, (Already covered 'fossils and Mary Anning' in Pentecost 2 2022 - Y5)
			Earth and Space Our Solar System, the Moon, day and night.	Forces Gravity, air resistance, water resistance and Friction, mechanisms.	Animals including humans: Changes in humans to old age