



Holy Cross Catholic Primary School Science Long Term Overview

	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 Seasonal Change Weather , day length	Everyday Materials Identify and name materials; properties of materials	Animals including humans 2 Grouping animals. Carnivores, herbivores, omnivores.	Plants Parts of plants ; seeds and bulbs; deciduous, evergreen; food / farming.	Animals including humans 3 Name, describe, compare animals Carnivores, herbivores, omnivores.	
	Seasonal Change, Day length, Autumn, Winter, Spring, Summer					
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	
Y3/4 Cycle 1 2021/2	Animals including humans Muscles, skeletons	Light How we see, shadows; mirrors and reflection	Forces and Magnets Gravity, friction, magnetism magnetic poles, and fields		Sound Pitch, volume and how we hear	Living Things and their habitats Grouping, classification, keys, vertebrates and invertebrates,
Y3/4 Cycle 2 2022/3	Animals including humans Teeth	Animals including humans Senses, digestion, healthy diet, vitamin and minerals. Food chains.	Electricity Switches, circuits, conductors, insulators	States of matter Solids, liquids and gases. The Water Cycle Evaporation, Condensation	Plants Life cycle of flowering plants.	Rocks Rocks, fossils, soil
Y5/6 Cycle 1 2021/2	Changes of materials 1 Changing states, grouping and separating (filtering, evaporating)	Animals including humans Heart and circulatory system; diet, exercise, effect of drugs	Properties and changes of materials 2 Changing states, dissolving, mixing , reversible changes	Living Things and their habitats Life cycles, reproduction Classification, offspring	Properties and changes of materials 3 Chemical / Irreversible changes	
					Evolution and Inheritance 1. Fossils, Mary Anning, Adaptation and evolution	
Y5/6 Cycle 2 2022/3	Electricity Changing circuits, circuit diagrams Electrical/ thermal materials	Forces Gravity, air resistance, water resistance and Friction, mechanisms.	Earth and Space Our Solar System, the Moon, day and night.		Light How we see; Transparent, translucent	Evolution and Inheritance 2. : Adaptation and evolution Animals including humans: Changes in humans to old age

Biology	Physics	Chemistry
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