



Sacred Heart Catholic Primary School

Science Curriculum Long Term Plan 2022-2023 (with Intent)

Science	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 1	Seasonal change Animals including humans – senses Intent: I can identify and know my body parts and my 5 senses	Animals 2 Amphibians, reptiles, birds, mammals, carnivores, herbivores, omnivores Intent: I can name and sort animals into groups	Seasonal change Materials Intent: I can name a variety of everyday materials and know what they can be used for	Plants Intent: I know there are many types of plants and trees and know how they grow	Marvellous Materials Intent: I know why a puddle appears, changes and disappears	Weather Seasonal changes Intent: I know how the weather and our world changes during the seasons.
Year 2	Animals including humans Intent: I know what animals need to grow into healthy adults	Animals including humans Intent: I know that exercise, the right food and keeping clean will keep me healthy.	Materials Intent: I know that materials can change and can be used for different things.	Working scientifically/Science Adventures! Intent: I know how to be a scientist by planning my own investigation.	Plants Intent: I know how to plant seeds and bulbs and look after them.	Living things and their habitats Intent: I know how animals and plants survive in different habitats.
Year 3	Animals humans and skeletons Intent: I know the purposes of skeletons and muscles. I know we need the right types and amounts of nutritious foods.	Rocks and Soils Intent: I know how different types of rocks and fossils are formed.	Forces and Magnets Intent: I know what forces are and how magnets work	Working Scientifically /Science Adventures! Intent: I know how to be a scientist by planning my own investigation.	Plants Intent: I know the life cycle of flowering plants and the jobs the different parts do.	Light- reflection and shadows from the sun Intent: I know how light is reflected and how shadows are formed and can change
Year 4	Living things and habitats Intent: I know how to classify plants and animals according to specific characteristics.	Electricity Intent: I can identify common appliances that run on electricity and construct simple series electrical circuits	States of Matter Intent: I know the states of matter, solids, liquids and gases and how they can change	Working Scientifically Intent: I know how to be a scientist by planning my own investigation	Animals including humans Intent: I know how animals digest their food	Sound Intent: I know we hear sounds because of vibrations.



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Year 5	Materials Intent: I know that some changes of state are reversible, some are not and how mixtures can be separated	Animals including humans Intent: I know how humans grow and develop (in line with school SRE policy)	Living things and their habitats- Intent: I know life cycles of living things	Working scientifically/Science Adventures! Intent: I know how to be a scientist by planning my own investigation.	Forces – air resistance, water resistance, friction, mechanisms Intent: I know about gravity, drag forces and how force and motion can be transferred through mechanical devices	Earth and Space- movement of the earth, sun and moon Intent: I know the earth's movement in space and investigate light
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Year 6	Living things and their habitats Intent: I will know how living things can be classified and organised based on observable characteristics and scientific evidence.	Animals including humans Intent: I will understand the different systems within the body. I will research the parts and functions of the circulatory system and what we need to stay healthy.	Electricity Intent: I will be able to compare and give reasons for variations in how components such as bulbs, buzzers and motors function and use this information to inventive my own festive lights decoration	Evolution and Inheritance Intent: I will understand how living things have adapted and evolved over time and understand the scientific evidence that proves this.	Light Intent: I will know how light travels, how we see it and present data from my own investigations.	Famous Scientists Intent: I know how to be a scientist by planning my own investigation.