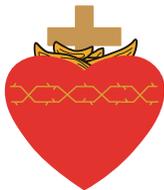


Sacred Heart Catholic Primary School

Science Curriculum Long Term Plan (with Intent)

Science	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Year 1	<p>Animals including humans – senses</p> <p>Intent: I can identify and know my body parts and my 5 senses</p>	<p>Animals 2</p> <p>Amphibians, reptiles, birds, mammals, carnivores, herbivores, omnivores</p> <p>Intent: I can name and sort animals into groups</p>	<p>Materials</p> <p>Intent: I can name a variety of everyday materials and know what they can be used for</p>	<p>Plants</p> <p>Intent: I know there are many types of plants and trees and know how they grow</p>	<p>Marvellous Materials</p> <p>Intent: I know why a puddle appears, changes and disappears</p>	<p>Weather</p> <p>Seasonal changes</p> <p>Intent: I know how the weather and our world changes during the seasons.</p>
Year 2	<p>Animals including humans</p> <p>Intent: I know what animals need to grow into healthy adults</p>	<p>Animals including humans</p> <p>Intent: I know that exercise, the right food and keeping clean will keep me healthy.</p>	<p>Materials</p> <p>Intent: I know that materials can change and can be used for different things.</p>	<p>Plants</p> <p>Intent: I know how to plant seeds and bulbs and look after them.</p>	<p>Living things and their habitats</p> <p>Intent: I know how animals and plants survive in different habitats.</p>	<p>Working scientifically</p> <p>Intent: I know how to be a scientist by planning my own investigation.</p>
Year 3	<p>Animals humans and skeletons</p> <p>Intent: I know the purposes of skeletons and muscles. I know we need the right types and amounts of nutritious foods.</p>	<p>Rocks and Soils</p> <p>Intent: I know how different types of rocks and fossils are formed.</p>	<p>Plants</p> <p>Intent: I know the life cycle of flowering plants and the jobs the different parts do.</p>	<p>Forces and Magnets</p> <p>Intent: I know what forces are and how magnets work</p>	<p>Light- reflection and shadows from the sun</p> <p>Intent: I know how light is reflected and how shadows are formed and can change</p>	<p>Working Scientifically</p> <p>Intent: I know how to be a scientist by planning my own investigation.</p>
Year 4	<p>Animals including humans</p> <p>Intent: I know how animals digest their food</p>	<p>Sound</p> <p>Intent: I know we hear sounds because of vibrations</p>	<p>States of Matter</p> <p>Intent: I know the states of matter, solids, liquids and gases and how they can change</p>	<p>Living things and habitats</p> <p>Intent: I know how to classify plants and animals according to specific characteristics.</p>	<p>Electricity</p> <p>Intent: I can identify common appliances that run on electricity and construct simple series electrical circuits</p>	<p>Working Scientifically</p> <p>Intent: I know how to be a scientist by planning my own investigation.</p>
Year 5	<p>Earth and Space- movement of the earth, sun and moon</p> <p>Intent: I know the earth's movement in space and investigate light</p>	<p>Forces – air resistance, water resistance, friction, mechanisms</p> <p>Intent: I know about gravity, drag forces and how force and motion can be transferred through mechanical devices</p>	<p>Materials</p> <p>Intent: I know that some changes of state are reversible, some are not and how mixtures can be separated</p>	<p>Living things and their habitats-</p> <p>Intent: I know life cycles of living things</p>	<p>Animals including humans</p> <p>Intent: I know how humans grow and develop (in line with school SRE policy)</p>	<p>Working scientifically</p> <p>Intent: I know how to be a scientist by planning my own investigation.</p>



Sacred Heart Catholic Primary School

Science Curriculum Long Term Plan (with Intent)

Science	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
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.	Evolution and Inheritance Intent: I will understand how living things have adapted and evolved over time and understand the scientific evidence that proves this.	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	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.