

Holy Family RC Primary School: Science Overview

“Great are the works of the Lord, studied by all who delight in them.” Psalm 111:2

Chemistry, Physics, Biology and Earth Science

	Autumn 1 (7 weeks)	Autumn 2 (7.5 weeks)	Spring 1 (6 weeks)	Spring 2 (5 weeks)	Summer 1 (7 weeks)	Summer 2 (6 weeks)
EYFS	Explore the natural world around them. Observe the four seasons over time – understand the effect of the season on the natural world. Explore natural materials indoors and outdoors, explore collections of materials, plants seeds, begin to understand the need to care for the environment. Explore the natural world around them, making observations and drawing pictures of animals and plants. Know some similarities and differences between the natural world around them and contrasting environments, drawing on their own experiences and what has been read in class. Understand some processes and changes in the natural world around them including the seasons and changing states of matter. Understand life cycles through knowledge of family and community. Use senses to explore what is around them. Explore how things work, talk about differences they see. Repeat actions for effect and talk about different materials. Explore shadow, explore rainbows, explore light sources. Explore how things move in water or because of the wind. Play outside in all weather and observe differences. Describe people who are familiar with them and learn how to care for themselves. Observe how baby animals change over time. Learn about space travel and sun, moon and stars.					
Y1	What other types of living things are there? <i>Animals including humans.</i> Jane Goodall & Amy Bower	What are things made from? <i>Everyday Materials</i> Zong Lin Wang	What are the different types of weather? The four seasons and the length of day <i>Seasonal Changes</i>	What are bodies and what do they do? <i>Animals including humans.</i>	What are things made from? Physical properties of everyday natural and man-made materials <i>Everyday Materials</i>	What is Alive? Wild and garden plants and trees <i>Plants</i>
Y2	Can living things stay healthy and live forever? <i>Living things and their habitats</i> Liz Bonning		How can we change the shape of some materials? <i>Uses of Everyday Materials</i>		What is alive, dead or was never alive? <i>Plants</i>	What do living things need to survive? <i>Animals including humans.</i> Maire Curie
Y3	Do living things need different things to survive? <i>Plants</i> Agnes Arber	What is the dark? <i>Light</i> Thomas Edison	How do living things work? <i>Animals including humans (Food and Nutrition)</i>	How do living things work? <i>Animals including humans (Skeletons)</i>	What can magnets do? <i>Forces and magnets</i>	Are all Rocks the same? <i>Rocks</i> Mary Anning

Y4	<p>Is water always wet?</p> <p><i>States of Matter</i></p>	<p>How do we hear different sounds?</p> <p><i>Sound</i></p> <p>John Dennehy</p>		<p>What do our bodies do with the food we eat?</p> <p><i>Animals including humans.</i></p>		<p>What's the same and what's different?</p> <p>Are living things in danger?</p> <p><i>Living things and their habitats</i></p> <p>Carl Linneaus</p>
	<p>Can we control Electricity?</p> <p><i>Electricity</i></p> <p>Albert Einstein</p>					
Y5	<p>What Are Things Made from and Can We Change Them?</p> <p><i>Properties and changes of materials.</i></p> <p>Ruth R. Benerito</p>	<p>Do all life cycles look the same?</p> <p><i>Living things and their habitats</i></p>	<p>How do bodies change as we get older?</p> <p><i>Animals including humans.</i></p>		<p>What is Moving?</p> <p><i>Earth and Space</i></p> <p>Brian Cox, Stephen Hawking,</p>	<p>How do things move?</p> <p><i>Forces</i></p>
Y6	<p>How do living things change over time and place?</p> <p><i>Evolution and Inheritance</i></p> <p>Charles Darwin & Mendall</p>	<p>How can we vary the effects of electricity?</p> <p><i>Electricity</i></p> <p>Alice Gordan</p>	<p>How do we See?</p> <p><i>Light</i></p>			<p>How do our choices affect how our bodies work?</p> <p><i>Animals including humans.</i></p> <p>What's the same and what's different?</p> <p><i>Living things and their habitats</i></p> <p>Alfred Wallace</p>