

**St Joseph's SCIENCE Long-Term Plan 2024-2025**

<b>Year Group</b>	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
<b>EYFS</b>	<p><b>Exploring the natural world.</b></p> <p>Understanding 'same' and 'different'.</p>	<p><b>Exploring the natural world</b></p> <p>Asking questions about the natural world.</p> <p><b>Seasonal changes</b></p>	<p><b>The Natural World</b></p> <p>Talk about features of our environment and compare with other, different environments.</p>	<p><b>The Natural World:</b></p> <p>Plants</p>	<p><b>The Natural World</b></p> <p>Animals</p>	<p><b>The Natural World</b></p> <p>Processes and changes in the natural world (including states of matter)</p>
<b>Year 1</b>	<p><b>Everyday Materials</b></p> <p>Identifying and naming different materials; describe physical properties, compare and group together materials based on their properties.</p>	<p><b>Animals Including Humans</b></p> <p>Identify, name, draw and label the basic parts of the human body and say which is associated with each sense.</p>	<p><b>Animals Including Humans</b></p> <p>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals</p>	<p><b>Plants</b></p> <p>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. Identify and describe the basic structure of common flowering plants, including trees</p>	<p><b>Seasonal changes</b></p> <p>Observe changes across the four seasons Spring/Summer/ Autumn / Winter</p> <p>observe and describe weather associated with the seasons and how the day length varies.</p>	<p><b>Study a scientist</b></p> <p>Edward Jenner – linked to DT – healthy eating</p> <p>STEM scientist of the week</p>
<b>Year 2</b>	<p><b>Plants</b> (what plants need to grow, the functions of different parts of flowering plants)</p>	<p><b>Animals Including Humans</b> (needs for survival: food, exercise and hygiene)</p>	<p><b>Uses of different Materials</b> (changing shape and uses of materials)</p>	<p><b>Uses of different Materials</b> (changing shape and uses of materials)</p>	<p><b>Animals Including Humans</b> (needs for survival: food, exercise and hygiene, Living things and their habitat</p>	<p><b>Plants and insects</b> (what plants need to grow, the functions of different parts of flowering plants,</p>

	Living things and their habitat Explore a variety of habitats, including micro-habitats)					parts of a minibeast, life cycles)
<b>Year 3</b>	<b>Plants</b> (different parts of a plant, what they need to survive, transportation of water, life cycle of flowering plants)	<b>Animals Including Humans</b> (nutrition, skeleton and muscles)	<b>Forces and Magnets</b> (magnetic materials, attracting and repelling)	<b>Rocks</b> (compare and group different fossils and soils)	<b>Light</b> (reflection and shadows)	
<b>Year 4</b>	<b>States of matter</b> (changes of state, evaporation and condensation)	<b>Sound</b> (vibration, pitch and volume)	<b>Animals Including Humans</b> (digestive system, teeth and food chains)	<b>Living things and their habitats</b> (classification)	<b>Living things and their habitats</b> (changing environments)	<b>Electricity</b> (simple circuits and conductors)
<b>Year 5</b>	<b>Forces</b> (gravity, air resistance, water resistance, friction)	<b>Properties and changes of materials</b> (properties of materials, dissolving, separating materials, reversible and irreversible changes)	<b>Living Things and Their Habitats</b> (life cycles and reproduction in plants)	<b>Earth and Space</b> (Earth, Sun and Moon, the solar system)	<b>Earth and Space</b> (Earth, Sun and Moon, the solar system)	<b>Animals including humans</b> (development from birth to old age, reproduction in humans)
<b>Year 6</b>	<b>Animals Including Humans</b> (circulatory system, diet and exercise, healthy living)	<b>Electricity</b> (voltage and power in circuits)	<b>Living Things and Their Habitats</b> (classification)	<b>Light</b> (how light travels, how we see, shadows)	<b>Evolution and inheritance</b> (how living things have changed over time, fossils, dinosaurs, adaptation to environment)	<b>Animals Including Humans</b>