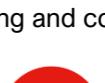


## Laurus Primary Science 8 Year Overview

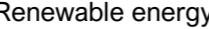
**Intent:** To stimulate the natural curiosity, knowledge and understanding of all children about the world they live in.

Areas of Learning				Key Skills				
Biology	Chemistry	Physics	Sustainability					
				Observing over time	Pattern seeking	Identifying, classifying and grouping	Comparative and fair testing	Researching using secondary sources

	Autumn	Spring	Summer
Pre-School	<ul style="list-style-type: none"> <li>Use all their senses in hands-on exploration of natural materials.</li> <li>Explore collections of materials with similar and/or different properties.</li> </ul>	<ul style="list-style-type: none"> <li>Talk about the differences between materials and changes they notice.</li> <li>Begin to understand the need to respect and care for the natural environment and all living things.</li> <li>Explore and talk about different forces they can feel.</li> </ul>	<ul style="list-style-type: none"> <li>Plant seeds and care for growing plants.</li> <li>Understand the key features of the life cycle of a plant and animal.</li> </ul>
Reception	<ul style="list-style-type: none"> <li>Explore the natural world around them.</li> <li>Understand the effect of changing seasons on the world around them.</li> <li>Describe what they see, feel and hear whilst outside.</li> </ul>	<ul style="list-style-type: none"> <li>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. (ELG)</li> </ul>	<ul style="list-style-type: none"> <li>Explore the natural world around them, making observations and drawing pictures of animals and plants (ELG)</li> <li>Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. (ELG)</li> </ul>
<b>Year 1</b>			
Year 1	 The human body  Materials  Seasonal change	 Planting A and B  Animals  Caring for the planet	 Plants  Planting C  Growing and cooking  Seasonal change
Year 2	 Animals' need for survival 	 Plants (light and dark) 	 Plants (bulbs and seeds) 

	Humans	Living things and their habitats	Growing up
	 Materials  Plastic	Living things and their habitats	 Wildlife
<b>Lower Key Stage 2:</b> The principal focus of Science teaching in lower Key Stage 2 is to enable pupils to broaden their scientific view of the world around them. Pupils should read and spell scientific vocabulary correctly and with confidence, using their growing word reading and spelling knowledge.			
Year 3	 Skeletons  Movement  Nutrition and diet Food waste  Rocks	 Fossils  Soils  Light	 Plants A and B  Forces  Magnets
Year 4	 Group and classify living things  Data collection A  States of matter	 Sound  Data collection B  Electricity Energy	 Data collection C  Habitats Deforestation  The digestive system  Food chains

**Upper Key Stage 2:** The principal focus of Science teaching in upper Key Stage 2 is to enable pupils to develop a deeper understanding of a wide range of scientific ideas. Pupils should read, spell and pronounce scientific vocabulary correctly.

Year 5	 Forces  Space   Global warming	 Properties of materials  Animals including humans  Life cycles	 Reproduction A and B  Reversible and irreversible changes   Plastic pollution
Year 6	 Living things and their habitats  Electricity   Renewable energy	 Light   Light pollution  The circulatory system  Diet, drugs and lifestyle	 Variation  Adaptation  Fossils  Themed projects