

























## Laurus Primary Science 8 Year Overview

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











Subject Disciplines			
Biology	Chemistry	Physics	Sustainability











Disciplinary Knowledge				
 Observing over time	 Pattern seeking	 Identifying, classifying and grouping	 Comparative and fair testing	 Researching using secondary sources






	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
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>Key Stage 1:</b> The principal focus of Science teaching in Key Stage 1 is to enable pupils to experience and observe phenomena, looking more closely at the natural and humanly-constructed world around them. Pupils should read and spell scientific vocabulary at a level consistent with their increasing word reading and spelling knowledge at Key Stage 1.						
Year 1	The human body 	Materials 	Planting A 	Caring for the planet	Plants 	Growing and cooking
			Animals 	Seasonal changes 		
	Seasonal changes 	Seasonal changes 		Planting B 		
				Consolidation		
Year 2	Animals' needs for survival 	Materials 	Plants (light and dark) 		Plants (bulbs and seeds) 	Bulbs and seeds 

			Living things and their habitats 		Growing up 	
	Humans 	Plastic		Plants (light and dark) 	Growing up 	Wildlife
				Consolidation	Consolidation	

**Lower Key Stage 2:** 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 	Food waste	Fossils 	Light 	Plants A 	Forces 
	Movement 	Rocks 	Soils 			Magnets 
	Nutrition and diet 					Consolidation
						Biodiversity

Year 4	Group and classify living things 	States of matter 	Sound 	Electricity 	Data collection C 	The digestive system 
	Data collection A 	Consolidation	Data collection B 	Energy	Habitats 	Food chains 

				Consolidation	Deforestation	
<p><b>Upper Key Stage 2:</b> 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.</p>						
Year 5	Forces 	Space 	Properties of materials 		Reproduction A 	Plastic pollution
			Animals including humans 		Reversible and irreversible changes 	Reproduction B 
		Global warming		Life cycles 		Consolidation
		Consolidation				
Year 6	Living things and their habitats  	Electricity 	Light 	The circulatory system 	Variation 	Fossils 
				Diet, drugs and lifestyle 	Adaptation 	Consolidation
		Consolidation	Light pollution			Themed projects (Year 7 ready)