










































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			
Biology	Chemistry	Physics	Sustainability

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

	<div>Humans</div> <div>  </div> <div>Materials</div> <div>Plastic</div>	<div>Living things and their habitats</div>	<div>Growing up</div> <div>Wildlife</div>
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	<div>  </div> <div>Skeletons</div> <div>  </div> <div>Movement</div> <div>  </div> <div>Nutrition and diet</div> <div>Food waste</div> <div>  </div> <div>Rocks</div>	<div>  </div> <div>Fossils</div> <div>  </div> <div>Soils</div> <div>  </div> <div>Light</div>	<div>  </div> <div>Plants A and B</div> <div>  </div> <div>Forces</div> <div>  </div> <div>Magnets</div>
Year 4	<div>  </div> <div>Group and classify living things</div> <div>  </div> <div>Data collection A</div> <div>  </div> <div>States of matter</div>	<div>  </div> <div>Sound</div> <div>  </div> <div>Data collection B</div> <div>  </div> <div>Electricity</div> <div>Energy</div>	<div>  </div> <div>Data collection C</div> <div>  </div> <div>Habitats</div> <div>Deforestation</div> <div>  </div> <div>The digestive system</div> <div>  </div> <div>Food chains</div>

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.

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