



Neville's Cross Primary School & Nursery

Science Overview – Year A

<p><b>What are the aims and intentions of this curriculum?</b></p>	<p>That children:</p> <ul style="list-style-type: none"> <li>• develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics</li> <li>• develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them</li> <li>• are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future</li> </ul>		
<p><b>Curriculum Drivers</b></p>	<p><b>Wellbeing, Creativity, Our Communities</b></p>		
	<p><b>Year 1 &amp; 2</b></p>	<p><b>Year 3 &amp; 4</b></p>	<p><b>Year 5 &amp; 6</b></p>
<p><b>AUTUMN TERM</b></p>	<p><b>Materials</b> Everyday materials (Y1) Uses of everyday materials (Y2) – (‘Great Fire of London link’)</p> <p><b>Seasonal Changes</b> - observations</p>	<p><b>Animals including humans</b> nutrition, skeleton and muscles (Y3) teeth and digestion and food chains (Y4)</p>	<p><b>Properties and changes of materials</b> (Y5)</p>
<p><b>SPRING TERM</b></p>	<p><b>Seasonal Changes</b> - observations, weather patterns - home and away (link to Geography unit)</p>	<p><b>Rocks</b> Comparing, grouping, naming, fossils, recognising how soil forms (Y3) <b>Forces and magnets</b> (Y3) <b>Geography link</b></p>	<p><b>Living things and their habitats</b> life cycles &amp; reproduction (Y5) <b>Animals including Humans</b> changes as humans develop (Y5)</p>
<p><b>SUMMER TERM</b></p>	<p><b>Living things and their habitats</b> (Y2 unit) (link to seaside theme)</p> <p><b>Seasonal Changes</b> - observations</p>	<p><b>States of matter</b> (Y4) <b>Geography link – water cycle</b></p>	<p><b>Living things and their habitats</b> classification, micro-organisms (Y6) <b>Evolution and inheritance</b> (Y6) (Geography links – rainforests)</p>



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Science Overview – Year B

<p><b>What are the aims and intentions of this curriculum?</b></p>	<p>That children:</p> <ul style="list-style-type: none"> <li>• develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics</li> <li>• develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them</li> <li>• are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future</li> </ul>		
<p><b>Curriculum Drivers</b></p>	<p><b>Wellbeing, Creativity, Our Communities</b></p>		
	<p><b>Year 1 &amp; 2</b></p>	<p><b>Year 3 &amp; 4</b></p>	<p><b>Year 5 &amp; 6</b></p>
<p><b>AUTUMN TERM</b></p>	<p><b>Animals including Humans</b>            Identify, name, draw and label the body parts and know the 5 senses (Y1)            Find out about and describe the basic needs for survival (living things) and importance of exercise, diet and hygiene (Y2)  <b>'Explorers' (History link)</b></p>	<p><b>Light</b> (Y3)  <b>Sound</b> (Y4)  <b>Electricity</b> (Y4)</p>	<p><b>Animals including humans</b>            circulatory system, diet, drugs, exercise, lifestyle, nutrients and water being transported around the body (Y6)  <b>(History link – rationing)</b></p>
<p><b>SPRING TERM</b></p>	<p><b>Plants</b>            Identify and name common garden and wild plants including trees            Structure of flowering plants (Y1)            Conditions for growth – seeds and bulbs (Y2)  <b>Botanical gardens</b></p>	<p><b>Plants</b> (Y3)  <b>(Geography link – UK regions, Lake District)</b></p>	<p><b>Electricity</b> (Y6)  <b>Light</b> (Y6)  <b>(History link – changes since 1945)</b></p>

<p><b>SUMMER TERM</b></p>	<p><b>Animals including humans</b>  Identify and name a variety of common animals – fish, amphibians, reptiles, birds and mammals (and insects)  Carnivores, herbivores and omnivores  Describing animals and comparisons (classification) (Y1)  Offspring (Y2)  (Geography link - forests)</p>	<p><b>Living things and their habitats</b>  (Y4)    (Geography link - Scandanavia)</p>	<p><b>Earth and Space</b>  (Y5)  <b>Forces</b>  (Y5)    (Geography link – The Americas)</p>
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