

## Science Yearly Plan

## Year 6

(Working Scientifically is covered throughout the science IPC units.)

<b>Autumn Term</b>	<b>Out of Africa (approx. 4 weeks)</b> <ul style="list-style-type: none"> <li>• describe the changes as humans develop to old age</li> <li>• give reasons for classifying plants and animals based on specific characteristics.</li> <li>• Recognise that living things have changed over time and that fossils provide information about living things that inhabited the earth millions of years ago.</li> <li>• Recognise that living things produce offspring of the same kind but normally offspring vary and are not identical to their parents.</li> <li>• Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li> </ul>	<b>Fairgrounds (approx. 8 weeks)</b> <ul style="list-style-type: none"> <li>• Explain that unsupported objects fall towards the earth because of the force of gravity acting between the Earth and the falling object.</li> <li>• Identify the effects of air resistance, water resistance and friction that act between moving surfaces.</li> <li>• Recognise that some mechanisms, including levers, pulley and gears, allow a smaller force to have a greater effect.</li> <li>• Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.</li> <li>• Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</li> <li>• Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.</li> <li>• Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.</li> <li>• Use recognised symbols when representing a simple circuit in a diagram.</li> </ul>
<b>Spring Term</b>	<b>Being Human (approx. 4 weeks)</b> <ul style="list-style-type: none"> <li>• Identify and name the main parts of the human circulatory system and describe the functions of the heart, blood vessels and blood.</li> <li>• Recognise the impact of diet, exercise, drugs and lifestyle on the way our bodies function.</li> <li>• Describe the ways in which nutrients and water are transported within animals, including humans.</li> </ul>	<b>No science</b>
		<b>IPC Topic Link:</b> History AD900 (approx. 6 weeks)

<b>Summer Term</b>	<b>No science</b>	<b>No science</b>
	<b>IPC Topic Link: The holiday show (approx. 6 weeks)</b>	School production and SRE