

	Aut A – 7/8 weeks	Aut B – 5 weeks	Spring A	Spring B	Sum A	Sum B
Science	<p><b>Out of this World (Prospectus)</b></p> <p>Phoenix guided read</p> <p>Jodrell Bank trip</p> <p><b>National Curriculum: KS2 Science</b></p> <p><b>Earth and Space</b></p> <p>Describe the movement of the Earth and other planets, relative to the Sun in the solar system.</p> <p>Describe the movement of the Moon relative to the Earth</p> <p>Describe the Sun, Earth and Moon as approximately spherical bodies</p> <p>Use the idea of the Earth's rotation to explain day and night and the apparent movement of</p>	<p><b>World War Two Cross curricular Science</b></p> <p>Letters from a Lighthouse Guided Read</p> <p><b>National Curriculum: KS2 Science</b></p> <p><b>Properties and changes of materials</b></p> <p>know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</p> <p>use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</p> <p>describe how living things are classified into broad groups according to common observable characteristics and based on similarities</p>	<p><b>Arctic/Antarctic Exploration Cross curricular science</b></p> <p>The Polar Bear's Explorer Club guided read</p> <p><b>National Curriculum: KS2 Science</b></p> <p><b>Living things and their habitats</b></p> <p>Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals</p> <p>Give reasons for classifying plants and animals based on specific characteristics.</p> <p><b>Evolution and inheritance</b></p> <p>recognise that living things have changed over</p>	<p><b>Electricity</b></p> <p><b>National Curriculum: KS2 Science</b></p> <p>associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit</p> <p>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</p> <p>use recognised symbols when representing a simple circuit in a diagram.</p>	<p><b>Light</b></p> <p><b>National Curriculum: KS2 Science</b></p> <p>recognise that light appears to travel in straight lines</p> <p>use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye</p> <p>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</p> <p>use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.</p>	<p><b>Revision/transition to secondary school.</b></p> <p>All the science objectives are covered in the first five terms. The last half-term is to be used flexibly to all further revision of any objectives as deemed necessary.</p>

	<p>the sun across the sky</p> <p><b>Animals, including humans</b></p> <p>identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</p> <p>recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</p>	<p>and differences, including micro-organisms, plants and animals</p> <p><b>Animals, including humans</b></p> <p>describe the ways in which nutrients and water are transported within animals, including humans.</p> <p>recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</p>	<p>time and that fossils provide information about living things that inhabited the Earth millions of years ago</p> <p>recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents</p> <p>identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</p>		<p>The achievements of the earliest civilizations – an overview of the impact the Ancient Egyptians had on our society</p> <p>Use dates and terms to describe events.</p> <p>Describe the characteristic features of the past, including ideas, beliefs, attitudes and experiences of men, women and children.</p> <p>Use evidence to ask questions and find answers to questions from the past.</p>	
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