

Alderbury and West Grimstead Primary School - Progression in Science Map.

Based on the Kent Scheme augmented by a wide range of other resources.

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>Seasonal change Y1</p> <p>Introduction to year-long observation: What do we mean by seasons and weather?</p> <p>How can we observe and measure the weather?</p> <p>Ourselves which includes Animals including humans, how to stay healthy.</p>	<p>Everyday materials (Y1)</p> <p>Hook - How to solve a problem for a book character.</p> <p>What are objects made from?</p> <p>What are the properties of the different materials?</p> <p>What happens to materials when they are heated and cooled?</p>		<p>Plants (Y1)</p> <p>Around the World - What are the main parts of flowering plants? How many different roots can be found? Can we describe what they look like close-up?</p> <p>Can we find the plant type from its flower?</p>	<p>Animals including humans (Y1)</p> <p>Around the World</p> <p>Compare the habitats, features and senses of other animals with ours.?</p> <p>Complete our seasonal change work and review habitats across the World. How do these impact the animals found there?</p>	

<p>Year 2</p>	<p>All living things and their habitats (Y2) Which habitats do you know of on our amazing planet Earth? What do you want to know about habitats? How many different living things can we find? Do habitats change during a year? Where is the most popular place for animals to live?</p>	<p>Uses of everyday materials (Y2) Hook - The laboratory! Which material is best for the bottom of children's school shoes? How well do different materials bounce? What are the uses for wood/plastics? Which material is best for blocking a hole in a bucket?</p>	<p>Animals including humans (Y2) Hook - Creating a wildlife workshop How do animals change, what do animals need to survive and stay healthy? How can you work out the order of the animals' life cycles?</p>	<p>Plants (Y2) What are different seeds like? What do bulbs need so that can grow healthily? My woolly socks are covered with seeds from outside. How could we find out if they will grow?</p>	
<p>Year 3</p>	<p>Animals including humans How do living things get their food? Which food do animals need in order to survive? What is special about the human skeleton? What is the function of muscles?</p>	<p>Forces and magnets How does the type of surface on the table affect the speed of the tub travelling on it?</p>	<p>Light Where can shadows be found? What affects size and darkness of shadows?</p>	<p>Rocks Where are the rocks in the world? Which are the rocks near our school? How are rocks formed? How are fossils</p>	<p>Plants How does the number of roots affect the amount of water that is absorbed? Does the length of roots change over time?</p>

			What are magnets used for?		made? What is soil made from?	
Year 4	States of matter What is a solid, a liquid and a gas? Which liquid moves the fastest? What can we find out about gases? What happens when things are heated and cooled?		Animals including humans How many different types of teeth have we got? What are their functions? How does the stomach work? What are food chains?	All living things How many different animals can we find in the wildlife area? How can we classify different animals? How are the animals suited to where they live?	Sound What happens to the sound of the drum when we get further away from it? Where in the school would be the best places to put fire alarms? What is a 'sound'?	Electricity Hook - Designing and making a product: a torch for an explorer What can electricity do? Which circuits will work? Can you repair the ones that do not work? What can we find inside a torch?
Year 5	Forces Hook - Transport scientists! How does the surface area of	Earth and Space Hook - Information for another planet!	Properties and changes of materials Hook - The Science Laboratory Which material is the best conductor? What affect will a coat have on a	All living things At what part of their life cycle are the animals in the school grounds?	Animals including humans (SRE policy) How long are the gestation periods of different animals? How does the	

	<p>a piece of paper affect how quickly it falls? What affects how well a parachute falls? Which trainer provides the best grip? What affects how well an object fired from a trebuchet will travel?</p>	<p>What is in our solar system? How large are they? How far apart are they? What is it like on the other planets in the solar system? What is the moon like?</p>	<p>person and an ice man? Which materials allow electricity to pass through them? What are the best conditions for dissolving sugar in the fastest time? How can we separate mixtures of different solids? Which changes cannot be easily reversed?</p>	<p>How does the small mammal change over time? How do birds eggs change over time? What are the life cycles of amphibians? Insects? How do animals make babies? When and why do plants have flowers? Can we artificially pollinate plants?</p>	<p>weight/height/length of a person change? What happens to the human body during puberty? What happens to adults as they get older?</p>
Year 6	<p>Light Why learn about it? Modelling - What evidence would prove that light travels in straight lines? How do we see things? How can we show how we see</p>	<p>Electricity Dragon's den: electronic scarecrow What affects the brightness of</p>	<p>All living things Why do we need to classify living things? How can</p>	<p>Evolution and inheritance How do we know about living things that have lived in the past?</p>	<p>Animals including humans (drug education policy) Hook - The Fitness Club! What is the function of the heart?</p>

	things in a mirror?	a bulb in a circuit?	plants be placed in different groups? How can we classify trees? How can more bees and butterflies be attracted into the school grounds?	Hook - Darwin's thinking path What do you think the fossil is? Are all siblings of living things identical? How are animals suited to their habitat? How do different animals use camouflage to survive? How have different plants around the world evolved to survive?	What happens to the rate at which our hearts beat when we perform different exercises? What are the functions of blood? Why do we need to drink water? What effects do drugs have on the human body?
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