








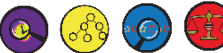






















## Science Curriculum Overview

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<p><b><u>We All Belong Here</u></b></p> <p>Animals including humans -Understanding the world -Communication and language -Personal, social and emotional development</p>	<p><b><u>Why Do Squirrels Hide Their Nuts</u></b></p> <p>Seasonal Changes -Understanding the world -Communication and language -Personal, social and emotional development</p>	<p><b><u>Winter Wonderland</u></b></p> <p>Everyday materials -understanding the world -Communication and language -Personal, social and emotional development</p>	<p><b><u>Dinosaur Stomp</u></b></p> <p>Everyday materials (name materials) Forces and magnets -understanding the world -Communication and language -Personal, social and emotional development</p>	<p><b><u>The Sights and Sounds of Africa</u></b></p> <p>Lights and shadows Weather -understanding the world -Communication and language -Personal, social and emotional development</p>	<p><b><u>Mad About Minibeasts</u></b></p> <p>Animals, including humans Plants -understanding the world -Communication and language</p>
1	<p><b><u>Everyday Materials</u></b></p> <p>Everyday materials -distinguish between an object and a material -Properties of materials  -Scientist: Chester Greenwood</p> 	<p><b><u>School Days</u></b></p> <p>Seasonal Changes -weather and the changes  -Scientist: Rebecca Wood</p> 	<p><b><u>No Place Like Home</u></b></p> <p>Animals, including humans -types of animals -parts of the human body and senses  -Scientist: zoologist, marine biologist</p> 	<p><b><u>Monarchs</u></b></p> <p>Animals, including humans -types of animals -parts of the human body and senses  -Scientist: zoologist, marine biologist</p> 	<p><b><u>Rio de Vida</u></b></p> <p>Plants -common plants -basic structure  -Scientist: Beatrix Potter</p> 	
2	<p><b><u>Bright Lights, Big City</u></b></p> <p>Everyday materials -properties of materials -bending, squashing, twisting and stretching  -Scientist: Charles Macintosh</p> 	<p><b><u>Significant People</u></b></p> <p>Plants -seeds and bulbs -plants basic needs  -Scientist: Luther Burbank</p> 	<p><b><u>Alive and Kicking</u></b></p> <p>Living things and their habitats -suitable habitats -living, dead, never alive  -Scientist: Chris Packham</p> 	<p><b><u>Under the Canopy</u></b></p> <p>Living things and their habitats -suitable habitats -living, dead, never alive  -Scientist: Chris Packham</p> 	<p><b><u>Land Ahoy!</u></b></p> <p>Animals, including humans -basic needs for a human -offspring</p> 	<p><b><u>Beside the Seaside</u></b></p> <p>Animals, including humans -basic needs for a human -offspring</p> 
3	<p><b><u>Road Trip USA!</u></b></p> <p>Plants -functions of the parts of a plant -explore requirements of a plant  -Scientist: George Washington Carver</p> 	<p><b><u>Stone Age, Bronze Age and Iron Age</u></b></p> <p>Forces, Magnets and Metals  Forces and magnets -moving of different surfaces -attract and repel  -Scientist: John Boyd Dunlop</p> 	<p><b><u>Volcanoes and Earthquakes</u></b></p> <p>Rocks -types of rocks and soil -how fossils are formed  -Scientist: Mary Anning, Ellie Edwards</p> 	<p><b><u>Ancient Greece</u></b></p> <p>Light -darkness is the absence of light -shadows  Scientist: Bob Switzer</p> 	<p><b><u>Take One Author: Roald Dahl</u></b></p> <p>Animals, including humans -Purpose of the skeleton and muscles -nutrition  Scientist: Osteologist and Nutritionist</p> 	
4	<p><b><u>Roman Britain</u></b></p> <p>Electricity -mains and battery powered -circuits, insulator, conductor  -Scientist: Alessandro Volta, Warren de la Rue, Thomas Edison</p> 	<p><b><u>Take One Author: Michael Morpurgo</u></b></p> <p>Sound -how sounds are made and travel -finding patterns: volume, pitch  Scientist: Robert Boyle, Galileo Galilei</p> 	<p><b><u>Misty Mountains, Winding Rivers</u></b></p> <p>States of matter -particles, heating and cooling -water cycle  Scientist: NASA-Aqua</p> 	<p><b><u>Anglo-Saxons</u></b></p> <p>Animals, including humans -teeth, digestive system -food chains  Scientist: Ancient Egyptians, William Addis</p> 	<p><b><u>Vikings</u></b></p> <p>Living Things and their Habitats -classification keys -environmental impact on living things  Scientist: STEM- Insect hunt</p> 	
5	<p><b><u>Marvellous Mechanisms</u></b></p> <p>Forces -gravity, friction, air and water resistance -levers, pulleys and gears  Scientist: Galileo Galilei, Isaac Newton, Leonardo Da Vinci, Sebastien Lenormand</p> 	<p><b><u>The Solar System</u></b></p> <p>Earth and Space -movement of planets -day and night  Scientist: Ptolemy and Copernicus</p> 	<p><b><u>Polesworth through Time</u></b></p> <p>Properties of materials -Separating materials -properties of materials (solubility, conductivity) -forming new materials</p> 	<p><b><u>Polesworth and Coal Mining</u></b></p> <p>Living things and their habitats -life cycles of animals -reproduction in plants and animals  Scientist: David Attenborough</p> 	<p><b><u>Take One Author: Kwame Alexander</u></b></p> <p>Animals, including humans -changes in humans as they grow (PSHE link) -gestation periods</p> 	
6	<p><b><u>Darwin's Delight</u></b></p> <p>Evolution and inheritance -link between adaptation and evolution -fossils provide information  Scientist: Charles Darwin, David Attenborough</p> 	<p><b><u>World War 2</u></b></p> <p>Electricity -circuit symbols -does voltage effects components?  Scientist: Alessandro Volta</p> 	<p><b><u>Frozen Kingdom</u></b></p> <p>Living things and their habitats -classification of plants, animals and microorganism -multilayer classification diagrams  Scientist: Carl Linnaeus</p> 	<p><b><u>Tales of Terror</u></b></p> <p>Animals, including humans -circulatory system, the heart and blood -impact of diet, exercise and drugs on the body  Scientist: Helen Brooke Taussig</p> 	<p><b><u>Mayans</u></b></p> <p>Light -light travels in straight lines -shape of shadows  Scientist: C.V Raman</p> 