



## Science Curriculum Overview 2022-2023

Scientist Links - [https://drive.google.com/file/d/13D1MXFyrz6IGCOBPA0Xk7lw\\_aVWz92Ee/view](https://drive.google.com/file/d/13D1MXFyrz6IGCOBPA0Xk7lw_aVWz92Ee/view)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<p>Science as well as other foundation subjects are covered throughout the year across all the areas of learning but specifically within the following areas:</p> <p><u>The Natural World</u></p> <ul style="list-style-type: none"> <li>• Pupils will explore the natural world around them, making observations and drawing pictures of animals and plants;</li> <li>• Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class;</li> <li>• Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</li> </ul> <p><u>Personal, Social and Emotional Development</u></p> <ul style="list-style-type: none"> <li>• Managing Self - Manage their own basic hygiene and personal needs, including dressing, going to the toilet, and understanding the importance of healthy food choices.</li> </ul> <p><u>The areas of Science covered are:</u></p> <p>Materials and changing states            Classification, Knowledge, Camouflage, Fossils and Extinction.            Food and healthy diets            Seasons            Animals and Plants            Light            Health and hygiene</p> <p><u>The following skills are covered:</u></p> <p>Compare            Observe            Classify            Explore            Describe            Explain</p>					

	<p>Some of the topics may be explored through the following:          Biscuits, dinosaurs, dough babies, foods of the seasons, frozen, into the woods, light magic, mud glorious mud, pets and vets, pirates, slimy things, socks, sound collectors, superhero materials, The Gingerbread Man, the potting shed, whatever the weather, Zarg's world          Know and talk about the different factors that support their overall health and wellbeing: Personal hygiene</p>					
Year One	<p>What Can I describe the transition from Autumn to Winter? (Seasonal changes)</p> <p>Can I name the main parts of the human body and explain their functions? (Animals including humans)</p> <p>Who is Jane Goodall?</p>	<p>Can I categorise different animals? (Animals including humans)</p> <p>Who is Tanesha Allen?</p>	<p>Can I describe the transition from winter to spring? (Seasonal changes)</p> <p>Who is Jim Cantore?</p> <p>Can I describe the properties of everyday materials? (Everyday materials)</p>	<p>Can I compare and group everyday materials based on their properties? (Everyday materials)</p> <p>Who is John Boyd?</p>	<p>Can I describe the transition from spring to summer? (Seasonal changes)</p> <p>Can I identify and describe the basic structure of plants? (Plants)</p>	<p>Can I identify and name common garden plants, wild flowers and trees? (Plants)</p> <p>Who is Maria Sibylla Merian?</p>
Year Two	<p>How can I keep my body fit and healthy? (Animals including humans)</p> <p>Who is Elizabeth Garret Anderson?</p>	<p>Can I describe the basic needs of animals, including humans, for survival? (Animals including humans)</p> <p>Who is Daniella Dos Santos?</p>	<p>Can I identify and compare the properties of everyday materials? (Materials)</p> <p>Who is Charles Macintosh?</p>	<p>How can solid objects be changed by squashing, bending, twisting and stretching? (Materials)</p> <p>Who is Dr Pearl Agyakwa?</p>	<p>What plants grow in my local area? (Plants)</p> <p>Who is Poppy Okotcha?</p>	<p>What are habitats? (Living things and their habitats)</p> <p>Who is Sir David Attenborough?</p>
Year Three	<p>What nutrients does my body need to survive? (Animals including humans)</p> <p>Who is Adelle Davies?</p>		<p>What is a magnetic force? (Forces)</p> <p>Who is William Gilbert?</p>	<p>Why do we need light? (Light)</p> <p>Who is Percy Shaw?</p>	<p>Can I identify different rock types and their properties? (Rocks)</p>	<p>Can I identify and describe the functions of different parts of flowering plants? (Plants)</p>

					Who is Mary Anning? Who is Anjana Khatwa?	Who is Dr Kelsey Byers?
Year Four	What is the digestive system? (Animals including humans) Who is William Beaumont?	Can I construct simple electrical circuits? (Electricity)  Who is Ada Lovelace?	What are solids, liquids and gases? (States of matter)	Can I explain how sound travels? (Sound)  Who is Alexander Graham Bell?	How do environments change over time? (Living things and their habitats) Who is Greta Thunberg?	
Year Five	How do animals including humans' bodies change over time? (Animals including humans) Who is Virginia Apgar?	Can I compare and group everyday materials based on their properties? (Materials) Who is Raquel Prado?	What are reversible and irreversible changes? (Materials)	Can I identify different forces? (Forces) Who is Jyoti Sehdev? Who is Sir Isaac Newton?	What is the solar system? (Earth and Space)  Who is Valentina Tereshkova? Who is Tim Peake?	What are life cycles? (Living things and their habitats) Who is David Attenborough?
Year Six	What are the functions of the circulatory and nervous systems? (Animals including humans) Recap John Boyd	How can I use an electrical circuit? (Electricity) Who is Mildred S Dresselhaus?	What are microorganisms? Can I classify living things? (Living things and their habitats) Who is Alexander Fleming? Who is Carl Linnaeus?	SATs Revision	How does light travel? (Light) Who is Ibn Al-Haytham (Alhazen)?	How have living things evolved over time? (Evolution and inheritance) Who is Charles Darwin?