

Science Curriculum Annual Overview

2021 - 2022	Autumn		Spring		Summer	
EYFS	The Natural World: Explore the natural world around them, making observations and drawing pictures of animals and plants. 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. Understand the effect of the changing seasons on the natural world around them.					
	How does a spider build its web?	Which animals hibernate?	Materials – what could we use to build a house?	What happened to dinosaurs?	Plants – What is a seed?	Being healthy – what is good for me? What animals live in the sea and on land?
Year 1	Materials – What are things made from? Scientist: Chester Greenwood – Earmuff designer		Plants - What is a plant? Scientist: Beatrix Potter – botanist and author	Seasonal changes – Do living things change or stay the same? Scientist: Francis Beaufort – wind scale	Animals including humans – What are bodies and what can they do? Scientist: Jane Goodall – naturalist	
Year 2	Materials – How do we choose materials? Can we change materials? Scientist: Charles Macintosh – waterproof material		Plants – How can plants stay healthy? Scientist: Jane Colden – botanist		Living things and their habitats – Where do plants and animals live? Scientist: Edward Wilson – polar explorer (local)	Animals including humans – What do animals need to stay alive? Scientist: Elizabeth Garrett Anderson – First British female physician and surgeon
Year 3	Rocks and soils – Are all rocks the same?	Light – What is the dark?	Plants – Do living things need different things to survive? Scientist: Joseph Banks - Botanist	Forces and magnets – What can magnets do? Scientist: Henry Ford – motor cars	Animals including humans – How do bodies work? Scientist: Marie Curie – Radiation	

	Scientist: Inge Lehrman – Earth's mantle	Scientist: Lewis Latimer – helped invent lightbulb				
Year 4	Animals including humans – What do our bodies do with the food we eat? Scientist: Washington and Lucius Sheffield – toothpaste in a tube	Sound – How do we hear different sounds? Scientist: Alexander Graham Bell – telephone	Living things and their habitats – What's the same and what's different? Scientist: Jacques Cousteau – marine biologist	States of Matter – Is water always wet? Scientist: Lord Kelvin – absolute zero	Electricity – Can we control electricity? Scientist: Thomas Edison – lightbulb	Forces and Magnets (Y3) – What can magnets do? Scientist: Henry Ford – motor cars
Year 5	Earth in Space – Sun, Earth and Moon: what is moving? Scientist: Mae Jemison – astronaut	Forces – How do things move? Scientist: Sir George Dowty – aeronautics (local)	Properties and changes of materials – What are things made from and why? Can we change materials? Scientist: Jamie Garcia – Invention of a new plastic (BP website)	Electricity (Y4) – Can we control electricity? Scientist: Thomas Edison – lightbulb	Animals including humans – How do our bodies change as we get older? Scientist: Eva Crane – bee reproduction	Living things and their habitats – Do all lifecycles look the same? Scientist: Sir David Attenborough – naturalist
Year 6	Evolution and Inheritance – How do living things change over time and place? Scientist: Charles Darwin – evolution	Electricity – Can we vary the effects of electricity? Scientist: Alessandro Volta – electrical battery	Living things and their habitats – What's the same and what's different? Scientist: Carl Linnaeus – Classification	Forces (Y5) – How do things move? Scientist: Sir George Dowty – aeronautics (local)	Animals including humans – How do our choices affect how our bodies work? Scientist: Marie Maynard Daly – cholesterol	Light – How do we see? Scientist: Patricia Bath – saving sight (BP website)