



Term	Autumn		Spring		Summer	
<b>Nursery</b>	Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary.		Begin to understand the need to respect and care for the natural environment and all living things. Explore how things work. Explore and talk about different forces they can feel.		Plant seeds and care for growing plants. Understand the key features of the life cycle of an animal and a plant. Talk about the differences between materials and changes they notice.	
<b>Reception</b>	Explore the natural world around them. Describe what they see, hear and feel whilst outside. Understand the effect of changing seasons on the natural world around them.		Recognise some environments that are different to the one in which they live. Explore the natural world around them. Describe what they see, hear and feel whilst outside. Understand the effect of changing seasons on the natural world around them.		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 some important processes and changes in the natural world around them, including the seasons and changing states of matter.	
	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
<b>Year 1</b>	<b>Everyday materials</b> <b>Scientist Link</b> – Alexander Parkes (invented plastic); NASA (invented space blankets and memory foam)  <b>Seasonal changes- Autumn</b>	<b>Animals, including humans</b> <b>Scientist Link</b> – Georg Meissner and Rudolf Wagner (first detected taste buds)	<b>Plants</b> <b>Scientist Link</b> – Lillian Snelling (botanical illustrator)  <b>Seasonal changes- Winter</b>	<b>Plants</b> <b>Scientist Link</b> – Lillian Snelling (botanical illustrator)  <b>Seasonal changes- Spring</b>	<b>Materials</b>  <b>Seasonal changes - Summer</b>	<b>Animals, including humans</b>  <b>Seasonal changes- Summer into Autumn</b>
<b>Year 2</b>	<b>Living things and their habitats</b> <b>Scientist Link</b> – David Attenborough (biologist, naturalist and conservationist)	<b>Use of everyday materials</b> <b>Scientist Link</b> – Charles Macintosh (invented waterproof material)	<b>Use of everyday materials</b>  <b>Plants</b> <b>Scientist Link</b> – Leo Grindon (local botanist)	<b>Plants</b> <b>Scientist Link</b> – Leo Grindon	<b>Animals, including humans</b> <b>Scientist Link</b> – Ignaz Semmelweis (pioneer of antiseptic procedures)	<b>Animals, including humans</b>



	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
<b>Year 3</b>	<b>Forces and magnets</b> <b>Scientist Link</b> – Magnes and William Gilbert (discovery of magnets)	<b>Rocks</b> <b>Scientist Link</b> – Mary Anning (palaeontologists)	<b>Plants</b> <b>Scientist Link</b> –Barbara Jeppe (botanical illustrators)	<b>Plants</b> <b>Scientist Link</b> –Barbara Jeppe (botanical illustrators)	<b>Light</b>	<b>Animals, including humans</b> <b>Scientist Link</b> – Wilhem Rontgen (“accidentally” discovered X-rays)
<b>Year 4</b>	<b>Living things and their habitats</b> <b>Scientist Link</b> – Maria Sibylla Merian (scientific illustrator); Carl Linnaeus (classification)	<b>Animals, including humans</b>	<b>Animals, including humans</b>	<b>Electricity</b> <b>Scientist Link</b> – Benjamin Franklin (exploration of electricity)	<b>Sound</b>	<b>States of matter</b> <b>Scientist Link</b> – Jabir ibn Hayyan (classification)
<b>Year 5</b>	<b>Earth and space</b> <b>Scientist Link</b> – Dr Becky Smethurst and Prof Brian Cox (astrophysicists); Mae C Jemison (first female black astronaut); Katherine Johnson (mathematician for NASA)	<b>Forces</b> <b>Scientist Link</b> – Isaac Newton (studied gravity); Galileo Galilei (studied speed, velocity, gravity) Da Vinci (engineering and invention)	<b>Properties and changes of materials</b> <b>Scientist Link</b> – Xilingshi (discovered how to produce silk from worms); Spencer Silver (invented Post-It Note adhesive); Ruth Benerito (invented wrinkle free material)	<b>Properties and changes of materials</b>	<b>Living things and their habitats</b>	<b>Animals, including humans</b> <b>Scientist Link</b> – Jane Goodall (primatologist)
<b>Year 6</b>	<b>Evolution and inheritance</b> <b>Scientist Link</b> – Alice Roberts (biological anthropologist); Charles Darwin and Alfred Wallace (theory of evolution)	<b>Animals, including humans</b> <b>Scientist Link</b> – William Harvey (anatomy and physiology); Elsie Widdowson (dietician / nutritionist during WW1)	<b>Electricity</b> <b>Scientist Link</b> – Michael Faraday (invented the electrical motor)	<b>Light</b> <b>Scientist Link</b> – Ibn al-Haytham (studied vision, optics and light)  <b>Sound</b>	<b>Living things and their habitats</b> <b>Scientist Link</b> – Carl Linnaeus (classification)	<b>Living things and their habitats</b>