

## Science Learning Pathway

EYFS		Key stage 1			Key stage 2	
In EYFS children will explore the natural world describing what they see hear and feel. They will recognise some environments that are different to the one where they live and they will study the effect of changing seasons on the natural world.		In KS1, the principal focus of science is to experience and observe. Children will be encouraged to be curious and ask questions about the world around them. Most of the learning will take place through practical and first-hand experiences.			In KS2 children will develop a deeper understanding of a range of scientific concepts. This will take place through exploring, testing and developing ideas as well as analysing relationships, observing changes and noticing patterns. Children will be encouraged to select appropriate ways to answer questions and will carry out fair tests, drawing conclusions from their findings.	
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn						
<b>What makes me special and belong?</b>	<b>What does nature mean to me?</b>	<b>What helps living things grow and thrive?</b>	<b>How has electricity impacted our lives?</b>	<b>How did the Roman invasion change life in Britain?</b>	<b>Why do people invade and settle?</b>	<b>Why must we remember?</b>
Managing Self ELG	Animals including Humans Seasonal Changes	Living things and their habitats Animals including humans	Electricity and Light Forces and Magnets	Sound	Properties and Change of Materials	Animals including humans
Inspirational Scientists						
Ada Lovelace	David Attenborough	Dr. John Ratey	Nikola Tesla	Alexander Graham Bell	Ahmed Zewail	Leonardo Da Vinci
Spring						
<b>What makes living things change and grow?</b>	<b>What are things made from?</b>	<b>What difference can a person make?</b>	<b>How did people start to settle?</b>	<b>How is the natural world unpredictable?</b>	<b>Why do we need to know our place in space?</b>	<b>Why is power important?</b>
The Natural World ELG	Everyday Materials - Process and Investigation Seasonal Changes	Everyday Materials - States of Matter	Animals including humans	Rocks and States of Matter	Earth and Space Forces	Electricity and Light
Inspirational Scientist						
Alexander Von Humboldt	Charles Macintosh	John Loudon McAdam	Elsie Widdowson	Mary Anning	Isaac Newton	James Clerk Maxwell
Summer						
<b>What do other countries look like?</b>	<b>What is my village like?</b>	<b>What will we see when we explore the world?</b>	<b>How did the Nile help Egyptians survive and thrive?</b>	<b>How do animals survive?</b>	<b>Why is it important to look after our world?</b>	<b>Why do we need to adapt and change?</b>
The Natural World ELG	Plants Seasonal Changes	Plants Animals including humans revision.	Plants	Animals including Humans Living things and their habitats	Animals including Humans Living things and their habitats	Evolution and inheritance Living things and their habitats
Inspirational Scientist						
Jane Goodall	Jeanne Baret	Agnes Arber	Joseph Dalton Hooker	Carl Linnaeus	Charles Elton	Charles Darwin