

Long Term Science Plan

Preschool	<p>Communication and Language:</p> <ul style="list-style-type: none"> - Understand 'why' questions, like: "Why do you think the caterpillar got so fat?" <p>Personal, Social and Emotional Development:</p> <ul style="list-style-type: none"> - Make healthy choices about food, drink, activity and tooth brushing. <p>Understanding the World:</p> <ul style="list-style-type: none"> - 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 make sense of their own life-story and family's history. - Explore how things work. - Plant seeds and care for growing plants. - Understand the key features of the life cycle of a plant and an animal. - Begin to understand the need to respect and care for the natural environment and all living things. - Explore and talk about different forces they can feel. - Talk about the differences between materials and changes they notice. 	<p>The EVFS Framework is structured very differently to the National Curriculum as it is organised across seven areas of learning rather than subject areas. These statements from Developmental Matters are the prerequisite to Science in the National Curriculum.</p>
Reception	<p>Communication and Language</p> <ul style="list-style-type: none"> - Learn new vocabulary. - Ask questions to find out more and to check what has been said to them. - Articulate their ideas and thoughts in well-formed sentences. - Describe events in some detail. - Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen. - Use new vocabulary in different contexts. <p>Personal, Social and Emotional Development</p> <p>Know and talk about the different factors that support their overall health and wellbeing:</p> <ul style="list-style-type: none"> • regular physical activity • healthy eating • tooth brushing • sensible amounts of 'screen time' • having a good sleep routine • being a safe pedestrian <p>Understanding the World</p> <ul style="list-style-type: none"> - Explore the natural world around them. - Describe what they see, hear and feel while they are outside. - Recognise some environments that are different to the one in which they live. - Understand the effect of changing seasons on the natural world around them. 	

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
KS1 CYCLE A	Everyday Materials (Yr1)	Everyday Materials (Yr1) Seasonal Changes: Autumn (Yr1)	Uses of Everyday Materials (Yr2) Seasonal Changes: Winter (Yr1)	Uses of Everyday Materials (Yr2) Seasonal Changes: Spring (Yr1)	Plants (Yr1)	Plants (Y 2) Seasonal Changes: Summer (Yr1)
KS1 CYCLE B	Animals including Humans (Yr1)	Animals including Humans (Yr1/2)	Animals including Humans (Yr2)	Seasonal Changes (Yr1)	Living Things and their Habitats (Yr2)	Living Things and their Habitats (Yr2)
LOWER KS2 CYCLE A	States of Matter (Yr4)	Rocks (Yr3)	Forces and Magnets (Yr3)	Forces and Magnets (Yr3)	Electricity (Yr4)	Plants (Yr3)
LOWER KS2 CYCLE B	Animals including Humans (Yr3)	Animals including Humans (Yr4)	Practical skills (Yr3)	Sound (Yr4)	Light (Yr3)	Living Things and their Habitats (Yr4)
UPPER KS2 CYCLE A	Properties and Changes of Materials (Yr5)	Properties and Changes of Materials (Yr5)	Forces (Yr5)	Practical Skills Recap	Electricity (Yr6)	Living things and their Habitats (Yr5)
UPPER KS2 CYCLE B	Animals including Humans (Yr5)	Animals including Humans (Yr6)	Earth and Space (Yr5)	Evolution and Inheritance (Yr6)	Light (Yr6)	Living things and their Habitats (Yr6)

