

SCIENCE CURRICULUM OVERVIEW

Topics will be personalised to ensure progression in skills and content in individual classes and to reflect the school curriculum drivers

Term	Autumn	Spring	Summer			
Nursery	Three and Four-Year-Olds will be learning to; <ul style="list-style-type: none"> • Understand 'why' questions, like: "Why do you think the caterpillar got so fat?" • Make healthy choices about food, drink, activity and toothbrushing. • 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. 					
Reception	Reception children will be learning to; <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. • Know and talk about the different factors that support their overall health and wellbeing: <ul style="list-style-type: none"> -regular physical activity -healthy eating -toothbrushing -sensible amounts of 'screen time' -having a good sleep routine -being a safe pedestrian • 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. 					
Year 1 'Basic' Cognitive Domain	Living Things/ Habitats (Great barrier Reef). Evolution (5) B -Seasons/ weather	-Seasons/ weather -Nature Journal	Animals and Humans (7) B -Seasons/ weather -Nature Journal	Plants (4) B -Daintree rainforest -fruit growing -chocolate pudding fruit -Seasons/ weather -Nature Journal	-Seasons/ weather -Nature Journal	Materials (6) B -Seasons/ weather -Nature Journal

Term	Autumn		Spring		Summer	
Year 2 'Advancing' and 'Deep' Cognitive Domains	Living Things/ Habitats/ Evolution (5) A, D - Habitats around the World - David Attenborough -Charles Darwin Great Barrier Reef -Seasons/ weather -Nature journal	-Seasons/ weather -Nature journal -Natural weather, disasters and extreme weather	Animals and Humans (7) A, D - David Attenborough - Australian Wildlife - Careers related to looking after animals -Seasons/ weather -Nature journal	Plants (4) A, D -Plant growing competitions - healthy eating-growing your own food. - Plants as medicines -Plants around the world -Garden design -Daintree Rainforest -Seasons/ weather -Nature journal	-Seasons/ weather -Nature journal -Sun safety -Water safety	Materials (6) A, D - Shelter building -forest schools -homes around the world-materials -Seasons/ weather -Nature journal
Year 3 'Basic' Cognitive Domain	Materials (7) B -Rocks and Soils -Solids, Liquid, Gas	Sound and Electricity (7) B -Sound -Electrical Circuits	Animals and humans (5) B -Food Chains -Skeletons -Digestive System -Teeth	Plants (4) B -Functions of Plants	Living Things/ Habitats/ Evolution (6) B -Evolution and Inheritance	Forces/ Light and Space (13) B -Forces and Magnets -Light and Shadow -Earth and Space
Year 4 'Advancing' and 'Deep' Cognitive Domains	Sound and Electricity (7) A, D	Materials (7) A, D	Living Things/ Habitats/ Evolution (6) A, D	Animals and humans (5) A, D	Plants (4) A, D	Forces/ Light and Space (13) A, D
Year 5 'Basic' Cognitive Domain	Materials (6) / Forces (7)	Light, Sound and Electricity (10)	Animals and humans (5) -South America	Plants (2) -North America - South America (carnivorous)	Living Things/ Habitats/ Evolution (7) -Marine Biomes	Earth and Space (4)
Year 6 'Advancing' and 'Deep' Cognitive Domains	Living Things/ Habitats/ Evolution (7) A, D -Jurassic Mary: Mary Anning and the Primeval Monsters	Earth and Space (4) A, D	Light, Sound and Electricity (10) A, D	Plants (2) A, D	Materials (6) / Forces (7) A, D	Animals and humans (4) A, D

Key -

Biology content, Chemistry content, Physics content

Skill coverage code -

B - skills to be covered at a basic level in Years 1,3 and 5

A, D - skills to be covered at an advancing and deeper level in Year 2,4 and 6