Long Term Plan
Science
2026-2027

	Autumn		Spring		Summer	
Nursery (Themes are dictated through children's own interests)	• Use all their senses in hands-on exploration of natural materials. • Explore collections of materials with similar and/or different properties. • Talk about differences between material and the changes they notice. • Begin to make sense of their own life-story and family's history. • Make healthy choices about food, drink, activity and tooth brushing. • Understand 'why' questions. • Talk about what they see, using a wide vocabulary.		• Explore how things work. • 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. • Show an interest in different occupations.		• Talk about the differences between materials and changes they notice. • Plant seeds and care for growing plants. • Understand they key features of the life cycle of a plant and an animal.	
Reception (Themes are dictated through children's own interests)	• Talk about members of their immediate family and community. • Name and describe people who are familiar to them • Explore the natural world around them • Describe what they can see, feel and hear whilst outside • Understand the effect of changing seasons on the natural world around them. • Use new vocabulary in different contexts • Articulate their ideas and thoughts in well-formed sentences • Describe events in some details		• Explore the natural world around them • Describe what they can see, feel and hear whilst outside • Understand the effect of changing seasons on the natural world around them. • Use new vocabulary in different contexts • Articulate their ideas and thoughts in well-formed sentences • Describe events in some details •		• Explore the natural world around them • Describe what they can see, feel and hear whilst outside • Recognise that some environments are different to the one in which they live. • Understand the effect of changing seasons on the natural world around them. •	
Year 1	**Forces and Space** Seasonal Changes	**Materials** Everyday Materials	**Animals** Sensitive Bodies	**Animals** Comparing Animals	**Plants** Introduction to Plants	**Making Connections** Investigating Science through Stories
Year 2	**Living Things** Habitats	**Living Things** Microhabitats	**Materials** Uses of Everyday Materials	**Animals including Humans** Life Cycles and Health	**Plants** Plant Growth	**Making Connections** Plant-based Materials

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Year 3	**Animals** Movement and Nutrition	**Forces and Space** Forces and Magnets	**Materials** Rocks and Soil	**Energy** Light and Shadows	**Plants** Plant Reproduction	**Making Connections** Does hand span affect grip strength?
Year 4	**Animals including Humans** Digestion and Food	**Energy** Electricity and Circuits	**Materials** States of Matter	**Energy** Sound and Vibrations	**Living Things** Classification and Changing Habitats	**Making Connections** How does the flow of liquids compare?
Year 5	**Materials** Mixtures and Separation	**Materials** Properties and Changes	**Forces and Space** Earth and Space	**Living Things** Life Cycles and Reproduction	**Forces and Space** Unbalanced Forces	**Animals** Human Timeline **Making Connections** Does the size of an asteroid affect the diameter of its crater?
Year 6	**Living Things** Classifying Big and Small	**Energy** Light and Reflection	**Living Things** Evolution and Inheritance	**Energy** Circuits, Batteries and Switches	**Animals including Humans** Circulation and Health	**Making Connections** Are some sunglasses safer than others?

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