

Curriculum Overview 2026-2027 Science



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Caterpillars	Topic – Colours and Festivals		Topics – Winter and Pets		Topics – Planting and Growing / Under the Sea	
	Exploration of the environment enriched with stories and resources help the children develop an understanding of the world around them. Their exploration is supported by skilful staff developing vocabulary, asking questions and following their interests to encourage the children along their path of scientific enquiry. This enrichment is continued through the Early Years Foundation Stage.					
Nursery	Seasonal Changes Autumn: We will observe the changes in the weather and enjoy exploring natural materials associated with Autumn. Animals (including humans) Me and My Family: Children will learn the basic names of body parts and will look at what body part is associated with each of the senses.	Seasonal Changes Autumn/ Winter: We will observe the changes in the weather and enjoy exploring natural materials associated with Autumn/ Winter. Animals Night and Day: We will develop a sense of care and respect for our natural environment through our topic of night time animals. We will learn all about the sun/moon and day/night. Hedgehog Visit	Seasonal Changes Winter/ Spring: We will observe the changes in the weather and enjoy exploring natural materials associated with Winter/Spring. Animals Respect and care for winter birds. Materials Traditional Tales: Children will explore and talk about the materials around them and those found in our traditional tales. Children will have opportunities to bake and observe simple experiments.	Seasonal Changes Spring: We will observe the changes in the weather and enjoy exploring natural materials associated with Spring. Animals	Seasonal Changes Spring/Summer Plants/ Animals - What Can I See in the Garden?	Seasonal Changes Summer - Arts Week - Moving On Plants
	Children continue to use all of their senses to explore their environment and exploration of natural materials. They talk about what they see and are introduced to new vocabulary and observational and investigational skills. Stories, songs, rhymes and interactive displays enhance our children's learning. Children explore and talk about the materials around them and the different forces they can feel. Children find out how things work and are encouraged to ask questions. Children grow					

	vegetables and flowers and learn to care for them over time. They experience the life cycles of some plants and animals and begin to understand the need to respect and care for our world.					
Reception	-Who Am I? Animals (including humans) Senses Naming parts of our body Naming animals ELG: Describe what they see, hear and feel when outside Seasonal Changes Elmer's Walk ELG: Understand the effect of changing seasons on the natural world around them (incl. hibernation)	- What can we celebrate? Seasonal Changes Harvest Autumn vegetables ELG: Understand the effect of changing seasons on the natural world around them (incl. hibernation)	- Where Can We Explore? Handa's Surprise, The Great Explorer ELG: Recognise some environments that are different from the one in which they live: Seasonal Changes ELG: Understand the effect of changing seasons on the natural world around them (incl. hibernation) Science & Technology Week	- What is the Creature I Can See? Animals Seasonal Changes ELG: Understand the effect of changing seasons on the natural world around them (incl. hibernation) Zoo Trip	- Who are We Visiting in Storyland? Jack and the Beanstalk 3 Little Pigs Gingerbread Man – science experiment – gingerbread in different substances – how do they change over time? https://www.science-sparks.com/the-gingerbread-man-science-activities/ 3 Billy Goats Gruff Materials The Three Little Pigs Name and describe common materials Seasonal Changes ELG: Understand the effect of changing seasons on the natural world around them (incl. hibernation)	- What Happens Next? Seasonal Changes ELG: Understand the effect of changing seasons on the natural world around them (incl. hibernation) Plants To identify the basic structure of a flowering plant.
Year 1	Everyday Materials Children distinguish between an object and the material from which it is made. They identify and name a variety of everyday materials: describing their simple physical properties and comparing and	Animals (including humans) Children identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	Animals Children identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Children identify a variety of common animals that live in hot and cold habitats. They identify and name some common animals that are carnivores, herbivores and omnivores. They describe and compare the structure of a variety of common animals.	Plants Children identify and name a variety of common wild and garden plants including deciduous and evergreen trees. They identify and describe the basic structure of a variety of common flowering plants, including trees. Children observe, compare and contrast plants. Children can compare and contrast leaves. Children identify which parts of a plant can be eaten.		

	grouping on the basis of those properties. Seasonal Changes Children observe changes across the four seasons. They observe and describe weather associated with the seasons and how day length varies. <i>Local Walks</i>	To perform simple tests – compare and contrast humans in our class. Seasonal Changes Children observe changes across the four seasons. They observe and describe weather associated with the seasons and how day length varies.	Seasonal Changes Children observe changes across the four seasons. They observe and describe weather associated with the seasons and how day length varies. <i>Science & Technology Week</i> <i>Zoo Trip</i>	Seasonal Changes Children observe changes across the four seasons. They observe and describe weather associated with the seasons and how day length varies. <i>Beach Trip</i>
Year 2	Living Things and Their Habitats Children explore the differences between things that are living, dead, and never been alive. They learn about habitats and are introduced to micro habitats and simple food chains.	Use of Everyday Materials Children investigate materials and compare their suitability for particular uses. Children identify natural and man-made materials. Children research famous scientist Charles Mackintosh. They find out how the shapes of solid objects can be changed. <i>Science & Technology Week</i>	Plants Children observe and describe how seeds and bulbs grow into mature plants. They can describe the life cycle of a plant. They find out what plants need to grow and stay healthy.	Animals (including humans) Children learn that animals including humans have offspring which grow into adults. Children understand that life cycle of a butterfly. Children understand the basic needs of animals, including humans, for survival. Children can recognise, order and compare the key stages of a human life cycle. Children learn the importance of exercise, a nutritional diet, hygiene, sleep and sensible amounts of screen time.