Science Curriculum Map 2022-23

	Nursery	Reception	Year 1	Year 2
Autumn	Nursery Rhymes / Celebrations	Three Little Pigs	Ourselves / Senses / The Natural World	Animal including humans
	Local walk for signs of Autumn	Facts about pigs and wolves	To learn that we have five senses which	Grouping foods and the healthy food
	Using magnifiers to search for insects	Habitats of pigs and wolves	allow us to find out about and develop a	plate
	Looking at ladybirds, life cycles	Wolf breath – 3 Little Pigs house	greater understanding of the world.	How to care for a baby
	Facts about spiders – what makes them	prediction	To know which body part relates to each	Importance of exercise and types of
	special, why people are scared of them	What changes and growth are	sense.	exercise
	Harvest	happening in the natural world Autumn	To learn that humans have bodies with	Importance of dental hygiene
	Day and night	walk with iPads	similar parts, and to learn the body part	Health and hygiene including washing
	Weather	Autumn colour tissue paper trees	names.	hands and hair, keeping clean, germ
	Science Week – Handa's Surprise	Seasons of the year	To make observations and comparisons	Investigate the effect of different
	Feel, taste and smell the fruit from the	Healthy eating, cleaning teeth, washing	of height and their bodies	substances on our teeth
	story. Which animals ate which fruit?	hands	To collect and organise data and present	Investigate how the weather changes
	Cosmic yoga and excise circuit to raise	Mouldy bread investigation	it in a chart	across the seasons and isn't defined by
	the heartbeat. Move like the story		To make a prediction and draw	the season – focus on rain
	animals.		conclusions from an investigation	
			Seasonal changes	
			To observe changes across the four	
			seasons and the weather associated	
			with autumn	
			To explore the natural world in the	
			school's nature area	
			Animals	
			To Identify and name a variety of	
			common animals, including fish,	
			amphibians, reptiles, birds and	
			mammals.	
			To identify and name a variety of	
			common animals that are carnivores,	
			herbivores and omnivores.	
			To describe and compare the structure	
			of a variety of common animals.	
			Forest School/Woodland Trust	
			activities	

Spring	Jungle Animals / Growing	The Gingerbread Man	Animals, including humans	Materials
99	Comparing the local environment to a	Ingredients for gingerbread man –	To identify and name a variety of	Identify materials and their properties
	jungle environment	separately and when combined Smelling	common animals with a focus on birds.	(including wood, metal, plastic, glass,
	Signs of winter	spices	RSPB Bird Watch	brick, rock, paper and cardboard)
	Facts about hibernating creatures.	Gingerbreadman in oil, water and milk	Migration	Compare suitability of materials by
	Tasting Chinese food using chopsticks	Signs of winter and spring	Diets and making bird feeders	packing a rucksack to take to Antarctica
	Spring walk to look for signs of new life	Planting seeds	Seasonal changes	(including wood, metal, plastic, glass,
	Sowing cress seeds – life cycles	Materials	To observe changes across the four	brick, rock, paper and cardboard)
	Egg Investigation	Snow and ice investigation	seasons with a focus on winter	Frostbite investigation – which material
	New life: lambs	Ice skating penguins	To observe and describe weather	is most suitable to prevent frostbite?
	Trew me. lambs	lee stating pengoms	associated with the seasons and how	What effect is plastic having on our
			day length varies. Use iPads and	oceans? Why is it important to reuse
			Logiboxes to take photos and	and recycle?
			temperature readings	Research invention of new materials e.g.
			Weekly weather chart	Charles Martin Hall (aluminium) – using
			Rain investigation	different resources to conduct research.
			Everyday Materials	Investigate how the weather changes
			To distinguish between an object and	across the seasons and isn't defined by
			the material it is made from.	the season – focus on rain
			To identify and name a variety of	Plants
			everyday materials including wood,	Growing seeds and bulbs (nasturtium
			plastic, glass, metal, water and rock.	seeds, narcissus bulbs) including
			To describe the simple physical	planting, care, observation and
			properties of a variety of everyday	description of growth:
			materials.	- growth investigation (effect of water /
				no water, light / no light, hot / cold
			To compare and group together a	
			variety of everyday materials on the	temperature) - seed / bulb diaries
			basis of their simple physical properties.	•
			Umbrella investigation Forest School/Woodland Trust	- plant survival in Antarctica / Native America
			activities	America
Summer	Sand / Water	The Little Red Hen	Seasonal Change	Habitats
Johnne	Signs of summer & seasonal facts	Facts about hens and chicks	Variation of length of the day	Learn that there are different kinds of
	What you can find in a pond	Life Cycle of a chick	Identify changes in trees and clothing	plants and animals in the immediate
	What you can find in a rock pool	Observations of chicks hatching and	worn from spring to summer	environment and to treat animals and
	Compare the local environment to a	growing	Seasonal weather	the environment with care and
	seaside environment	Seed dispersion 'The Tiny Seed' by Eric	Use iPads and Logiboxes to take photos	sensitivity
		Carle	and temperature readings	Recognise hazards in working with soil
	Floating and sinking Uses of water	Tasting bread from European countries	Weekly weather chart	Observe and make a record of animals
	Sorting sea and river creatures	Harvesting crops long ago Investigating	Staying safe in the sun	and plants found
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	Frozen and melted	seeds using magnifying glasses	Growing and Lifecycles	Present results in a variety of ways
	Investigating wet/dry/damp sand	Planting seeds and herbs	Plants	including in a table

Frog life cycle	Nature table -signs of spring and	To identify and name a variety of	Learn that there are differences
	summer	common wild and garden plants,	between local habitats
	Floating and sinking	including deciduous and evergreen trees	To make predictions about the animals
	Facts about windmills	To identify and describe the basic	and plants found in different local
		structure of a variety of common	habitats and to investigate these
		flowering plants, including trees	Use drawings to present results and
		To identify and name a variety of	make comparisons saying whether their
		common wild and garden plants,	predictions were supported
		including deciduous and evergreen trees	Learn that flowering plants produce
		To identify and describe the basic	seeds. To turn ideas of their own, about
		structure of a variety of common	what plants need to begin to grow, into
		flowering plants, including trees.	a form that can be tested.
		The Weather	Observe and make a day-by-day record
		To observe changes across the four	of observations
		seasons. Focus: Summer	Use the results to draw a conclusion
		To observe and describe weather	about what seeds need to begin to grow
		associated with the seasons and how	and decide whether this is what they
		day length varies	expected Learn that seeds produce new
		Forest School/Woodland Trust	plants
		activities	Garden / pond/ churchyard