

EYFS Science Programme

Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery/Theme /Topic	We Are Special - Humans	We Are Wind and Rain - Light	We Are Cold – Winter Change in Materials	We Are Farmers - Animals	We Are Down in The Garden – Plants/minibeasts	We Are Travelling - Forces
Knowledge	Use all their senses in hands-on exploration of natural materials. Make sense of their own life-story and family's history. Understand the key features of the life cycle of a plant and/or an animal.	Explore how things work. Find out about which materials are reflective/show up in the dark. Talk about the differences in materials and changes they notice.	Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about the differences between materials and changes they notice. Describe what happens when chocolate is heated/when fruit juice is put in the freezer/when fruit is blended	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.	Use all their senses in hands-on exploration of natural materials. 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 how things work. Explore and talk about different forces they can feel. Talk about the differences between materials and changes they notice.
vocabulary	grow, change, baby, toddler, child, adult, old person, smell, taste, touch, feel, hear, see, blind, deaf	light, torch, bulb, lamp, spotlight, shiny, bright, brighter, brightest, Sun, shine, glow, mirror	mix, stir, cook, hot, oven, microwave, change, burn, melt, hard, runny, set, freeze, freezer, cold, blended, hard, soft, bendy, stiff, wobbly, wood, plastic, paper, card, fabric	egg, chick, bird, caterpillar, cocoon, chrysalis, butterfly, frog spawn, tadpole, froglet, frog, grow, change, die, names of animals and their young, fur, feathers, scales, tail, wings, beak, claws, paws, hooves, swim, walk, run, jump, jump, fly, patterns, spots, stripes	plant, leaf, stem, branch, root, bark, flower, petal, seed, berry, fruit, vegetable, bulb, plant, hole, dig, water, weed, grow, shoot, die, dead, soil, names of plants they grow	object, float, sink, water, up, down, top, bottom, push, pull, magnet, spring, squash, bend, twist, stretch, turn, spin, smooth, rough, fast, slow
Scientific skills	Plan To ask scientific questions.	Plan To ask scientific questions.	Plan To ask scientific questions. To plan an enquiry.	Plan To ask scientific questions.	Plan To ask scientific questions.	Plan To ask scientific questions.



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	To plan an enquiry.	To plan an enquiry.		To plan an enquiry.	To plan an enquiry.	To plan an enquiry.
			<u>Do</u>			
	<u>Do</u>	<u>Do</u>	To observe closely	<u>Do</u>	<u>Do</u>	<u>Do</u>
	To observe closely	To observe closely		To observe closely	To observe closely	To observe closely
			To take measurements.			
	To take measurements.	To take measurements.	T	To take measurements.	To take	To take measurements.
	T	T	To gather/record results.	T	measurements.	T
	To gather/record results.	To gather/record results.	Review	To gather/record results.	To gother/record	To gather/record results.
	Review	Review	To present results.	Review	To gather/record results.	Review
	To present results.	To present results.	To present results.	To present results.	results.	To present results.
	To procent recalle.	To procent recate.	To interpret results.	To prosont rooties.	Review	To procont rocato.
	To interpret results.	To interpret results.	To mile provide and	To interpret results.	To present results.	To interpret results.
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					To interpret results.	
Scientific	Represent their own	Represent their own	Represent their own ideas,	Represent their own	Represent their own	Represent their own
Recording	ideas, thoughts and	ideas, thoughts and	thoughts and feelings	ideas, thoughts and	ideas, thoughts and	ideas, thoughts and
	feelings through design	feelings through design	through design and	feelings through design	feelings through	feelings through design
	and technology, art,	and technology, art,	technology, art, music,	and technology, art,	design and	and technology, art,
	music, dance, role play	music, dance, role play	dance, role play and	music, dance, role play	technology, art,	music, dance, role play
	and stories	and stories	stories	and stories	music, dance, role	and stories
					play and stories	



Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception/Theme /Topic	All About me - Humans	Autumn/Sparkle and Shine Seasonal Change/Light	Starry Night/Change in Materials	Dangerous Dinosaurs/Animals	Sunshine and Flowers/Plants	Big, Wide World/Earth and Space
Knowledge	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 see, hear and feel whilst outside. Understand the effect of changing seasons on the natural world around them. Describe what they see, hear and feel whilst outside.	Explore the natural world around them. Describe what they see, hear and feel whilst outside Using their senses to explore natural materials in the environment, such as stones, twigs, leaves, feathers, seeds, flowers etc. Gathering natural materials to make collections	Recognise some environments that are different to the one in which they live.	Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. 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 the natural world around them. Describe what they see, hear and feel whilst outside.
Vocabulary	hair (black, brown, dark, light, blonde, ginger, grey, white, long, short, straight, curly), eyes (blue, brown, green, grey), skin (black, brown, white), big/tall, small/short, bigger/smaller, baby, toddler, child, adult, old person, old, young, brother, sister, mother, father, aunt, uncle, grandmother, grandfather,	spring, summer, autumn, winter, seasons, sunny, cloudy, hot, warm, cold, shower, raining, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddles, windy, rainbow, animals, young, plants, flowers, Sun, sunny, light, shadow, shady, clouds, torch, see-through, non-see-through, source, light source	ice, water, frozen, icicle, snow, melt, wet, cold, slippery, smooth, big, bigger, biggest, smaller, soft, bendy, rigid, wood, plastic, paper, card, metal, strong, weak, hot, apply heat, waterproof, soggy, not waterproof, best, change, change back	names of animals, live, on land, in water, jungle, desert, North Pole, South Pole, sea, hot, cold, wet, dry, snow, ice	plant, leaf, stem, branch, root, bark, flower, petal, seed, berry, fruit, vegetable, bulb, plant, hole, dig, water, weed, grow, shoot, die, dead, soil, names of plants they grow	Sun, Moon, Earth, star, planet, sky, day, night, space, round, bounce, float



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	cousin, friend, family, boy,						
	girl, man, woman						
	9,						
Scientific Skills	Plan	<u>Plan</u>	<u>Plan</u>	<u>Plan</u>	<u>Plan</u>	<u>Plan</u>	
	To ask scientific questions.	To ask scientific questions.	To ask scientific	To ask scientific	To ask scientific	To ask scientific	
	To plan an enquiry.	To plan an enquiry.	questions.	guestions.	questions.	questions.	
	' '	' '	To plan an enquiry.				
	Do	<u>Do</u>	- - - -		1 2 2 2 2 1 3		
	To observe closely	To observe closely	<u>Do</u>	<u>Do</u>	Do	<u>Do</u>	
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	To take measurements.	To take measurements.	10 observe crosery	10 observe closely	10 observe crosery	10 observe closely	
	To take measurements.	To take measurements.	To take measurements	To take massurements	To take massurements	To take massurements	
	T	To math and an and an audio	To take measurements.	To take measurements.	To take measurements.	To take measurements.	
	To gather/record results.	To gather/record results.	_ ,, ,	_ , , ,	_ ,, ,	_ ,, ,	
	l		To gather/record	To gather/record	To gather/record	To gather/record	
	Review	Review	results.	results.	results.	results.	
	To present results.	To present results.					
			Review	Review	Review	Review	
	To interpret results.	To interpret results.	To present results.	To present results.	To present results.	To present results.	
					-		
			To interpret results.	To interpret results.	To interpret results.	To interpret results.	
Scientific	Represent their own ideas,	Represent their own ideas,	Represent their own	Represent their own	Represent their own	Represent their own	
Recording	thoughts and feelings	thoughts and feelings	ideas, thoughts and	ideas, thoughts and	ideas, thoughts and	ideas, thoughts and	
J	through design and	through design and	feelings through design	feelings through design	feelings through design	feelings through design	
	technology, art, music,	technology, art, music,	and technology, art,	and technology, art,	and technology, art,	and technology, art,	
	dance, role play and stories	dance, role play and stories	music, dance, role play				
	dance, role play and stones	dance, role play and stones	and stories	and stories	and stories	and stories	
			ผาน งเบาเธง	สาน รเบาธร	ผาน งเบาธง	สาน รเบาธร	