



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	<p>Use all their senses in hands-on exploration of natural materials.</p> <p>Make sense of their own life-story and family's history.</p> <p>Understand the key features of the life cycle of a plant and/or an animal.</p>	<p>Explore how things work.</p> <p>Find out about which materials are reflective/show up in the dark.</p> <p>Talk about the differences in materials and changes they notice.</p>	<p>Use all their senses in hands-on exploration of natural materials.</p> <p>Explore collections of materials with similar and/or different properties.</p> <p>Talk about the differences between materials and changes they notice.</p> <p>Describe what happens when chocolate is heated/when fruit juice is put in the freezer/when fruit is blended</p>	<p>Understand the key features of the life cycle of a plant and an animal.</p> <p>Begin to understand the need to respect and care for the natural environment and all living things.</p>	<p>Use all their senses in hands-on exploration of natural materials.</p> <p>Plant seeds and care for growing plants.</p> <p>Understand the key features of the life cycle of a plant and an animal.</p> <p>Begin to understand the need to respect and care for the natural environment and all living things.</p>	<p>Explore how things work.</p> <p>Explore and talk about different forces they can feel.</p> <p>Talk about the differences between materials and changes they notice.</p>
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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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	<p>Talk about members of their immediate family and community.</p> <p>Name and describe people who are familiar to them.</p>	<p>Explore the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside.</p> <p>Understand the effect of changing seasons on the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside.</p>	<p>Explore the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside</p> <p>Using their senses to explore natural materials in the environment, such as stones, twigs, leaves, feathers, seeds, flowers etc.</p> <p>Gathering natural materials to make collections</p>	<p>Recognise some environments that are different to the one in which they live.</p>	<p>Use all their senses in hands-on exploration of natural materials.</p> <p>Explore collections of materials with similar and/or different properties.</p> <p>Plant seeds and care for growing plants.</p> <p>Understand the key features of the life cycle of a plant and an animal.</p> <p>Begin to understand the need to respect and care for the natural environment and all living things.</p>	<p>Explore the natural world around them.</p> <p>Describe what they see, hear and feel whilst outside.</p>
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, smaller, smallest, hard, 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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