

Science in EYFS

Children in EYFS are given the opportunity to explore the following:

Topic	Knowledge	Vocabulary
Animals, including humans	Name and describe animals that live in different habitats. Describe different habitats Describe people who are familiar to them Learn about how to take care of themselves	names of animals, live, on land, in water, jungle, desert, North Pole, South Pole, sea, hot, cold, wet, dry, snow, ice, hair (e.g. black, brown, dark, light, blonde, ginger, grey, white, long, short, straight, curly), eyes (e.g. blue, brown, green, grey), skin (e.g. 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, cousin, friend, family, boy, girl, man, woman
Living things and their habitats	Explore the plants in the surrounding natural environment Explore the animals in the surrounding natural environment Explore plants and animals in a contrasting natural environment	plant, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of a contrasting environment (e.g. beach, forest)
Seasonal changes	Play and explore outside in all seasons and in different weather Observe living things throughout the year	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
Materials, including changing materials	Explore a range of materials, including natural materials Make objects from different materials, including natural materials Observe, measure and record how materials change when heated and cooled Compare how materials change over time and in different conditions	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
Light	Explore shadows Explore rainbows	Sun, sunny, light, shadow, shady, clouds, torch, see-through, not see-through, source, light source
Forces	Explore how to change how things work Explore how the wind can move objects Explore how objects move in water	float, sink, up, down, top, bottom, surface, move, roll, drop, fly, turn, spin, fall, fast, slow, faster, slower, fastest, slowest, further, furthest, wind, air, water, blow, bounce

Sound	Listen to sounds outside and identify the source	sound, noise, listen, hear, music, voices, bird song, traffic, sirens, thunder, high, low, loud, quiet, soft, volume, crackle,
	Make sounds	thunder, hum, buzz, roar
Earth and Space	Learn about the Earth, Sun, Moon, planets and stars	Sun, Moon, Earth, star, planet, sky, day, night, space, round, bounce, float
	Learn about space travel	