

## Hindhayes Progression in Science Vocabulary

The vocabulary intended for Nursery and Reception are words that they should be **exposed** to. Children should **use some** correctly in a scientific context.

The vocabulary from year 1 onwards are the words that children should **know and use** correctly in a scientific context. They should be able to define the specialist vocabulary included.

The working scientifically vocabulary identified in the first table of this document should be taught through the topics in each year group during practical work or scientific enquiry.

Some vocabulary (in **red**) crosses over from other parts of the curriculum.

Topic	Year Group	Vocabulary / Statement(s)
<b>Working Scientifically</b>	Nursery/Reception	Look closely, observe, watch, touch, feel, smell, listen, same, different, compare, ask, question, record, sort, group
	Years 1 & 2	Observe, changes, patterns, grouping, sorting, compare, same, different, identify, name, measure, data, record results, drawing, picture, table, tally chart, present, pictogram, block chart, venn diagram, ask, question, test, investigate, explore, equipment, resources, magnifying glass, hand lens, ruler, tape measure, metre stick, pipette, syringe, spoon, teaspoon, answer, interpret, scientific enquiry, pattern seeking, comparative testing, compare, observing over time, classifying, research.
<b>Plants</b>	Nursery/Reception	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. <b>Tree, bush, herb, names of plants they see</b>
	Year 1	Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud, names of trees in the local area, names of garden and wild flowering plants in the local area
	Year 2	Light, shade, sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling <b>Names of plants in local habitats and micro-habitats</b>
<b>Living things and their habitats</b>	Nursery/Reception	Natural, plant, animal, leaves, seeds, conkers, acorns, twigs, bark, shells, feathers, pebbles, stones, same, different, pattern <b>Plant, leaf, stem, branch, root, bark, flower, petal, seed, berry, fruit, vegetable, bulb, plant, hole, dig, water, weed, grow, shoot, die, dead</b> Plant, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of contrasting environment (e.g. beach, forest)
	Year 1	<b>Names of garden and wild flowering plants in the local area, head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, names of animals from each vertebrate group.</b> <b>Weather, sunny, rainy, raining, shower, windy, snowy, cloudy, hot, warm, cold, storm, thunder, lightening, hail, sleet, snow, icy, frost, puddles, rainbow, seasons, winter, summer, spring, autumn, sun, sunrise, sunset, day length.</b>
	Year 2	Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, water, air, survive, survival, names of local habitats (e.g. pond/woodland), names of microhabitats (e.g. under log, in bushes), conditions, light, dark, shady, sunny, wet, damp, dry, hot, cold, names of living things in the habitats and micro-habitats studied. <b>Light, shade, sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling</b> <b>Offspring, reproduction, growth, baby, toddler, child, teenager, adult, old person, names of animals and their babies.</b>

<b>Animals including humans</b>	Nursery/Reception	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, fly, patterns, spots, stripes, grow, change, baby, toddler, child, adult, old person, smell, taste, touch, hear, see, blind, deaf. Names of animals, live, on land, in water, jungle, desert, North Pole, South Pole, sea, hot, cold, wet, dry, snow, ice, hair, eyes, skin, 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.
	Year 1	Head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, names of animals experienced first-hand from vertebrate group, parts of the human body (including those within the school RSE policy), senses, touch, see, smell, taste, hear, fingers, skin, eyes, nose, ears, tongue
	Year 2	Offspring, reproduction, growth, baby, toddler, child, teenager, adult, old person, names of animals and their babies, survive, survival, water, food, air, exercise, heartbeat, breathing, hygiene, germs, disease, food types (e.g. meat, fish, dairy, vegetables bread, rice, pasta) <b>Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, water, air, survive, survival</b>
<b>Seasonal Changes</b>	Nursery / Reception	<b>Grow, shoot, die, dead, egg, chick, bird, caterpillar, cocoon, chrysalis, butterfly, frog spawn, tadpole, froglet, frog, grow, change, die, names of animals and their young.</b> Spring, Summer, Autumn, Winter, seasons, sunny, cloudy, hot, warm, cold, shower, raining, storm, thunder, lightening, hail, sleet, snow, icy, frost, puddles, windy, rainbow, animals, young, plants, flowers
	Year 1	Weather, sunny, rainy, raining, shower, windy, snowy, cloudy, hot, warm, cold, storm, thunder, lightening, hail, sleet, snow, icy, frost, puddles, rainbow, seasons, winter, summer, spring, autumn, sun, sunrise, sunset, day length
<b>Materials</b>	Nursery / Reception	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 Ice, water, frozen, icicle, snow, melt, wet, cold, slippery, smooth, big, bigger, biggest, small, smaller, smallest, hard, soft, bendy, rigid, wood, plastic, paper, card, metal, strong, weak, hot, heat, waterproof, soggy, not waterproof, best, change, change back
	Year 1	Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, break/tear, rough, smooth, shiny, dull, see-through, not see-through
	Year 2	Opaque, transparent, translucent, reflective, non-reflective, flexible, rigid, shape, push/pull, pushing/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching/