

# Wildmoor Heath

## Science Vocabulary Progression Map 2021-2022



Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Living things and their habitats -</b> Plant, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of a contrasting environment e.g. beach, forest.		<b>Living things and their habitat –</b> Living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed Names of local habitats e.g. pond, woodland etc. Names of micro-habitats e.g. under logs, in bushes etc.		<b>Living things and their habitats-</b> Classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate	<b>Living things and their habitats-</b> Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings	<b>Living things and their habitats-</b> Vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, insects, arachnid, mollusc, annelid, echinoderm, fungi, moneran, homo sapiens, taxonomy, classification, spore, flowering, non-flowering, atom, molecule, cell, organ, organism, life, living, being, movement, response, growth, respire, excrete, eat, amphibian
	<b>Plants -</b> 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	<b>Plants –</b> As for Year 1 plus light, shade, sun, warm, cool, water, grow, healthy	<b>Plants –</b> Photosynthesis, pollen, insect/wind pollination, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal)			

<p><b>Humans –</b> 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, young, brother, sister, mother, father, aunt, uncle, grandmother, grandfather, cousin, friend, family, boy, girl, man, woman.</p> <p><b>Animals –</b> names of animals, live, on land, in water, jungle, desert, North Pole, South Pole, sea, hot, cold, wet, dry, snow, ice, environment, polar regions, ocean, camouflage.</p>	<p><b>Animals, including humans –</b> Head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves Names of animals experienced first-hand from each vertebrate group Parts of the body including those linked to PSHE teaching (see joint document produced by the ASE and PSHE Association) Senses – touch, see, smell, taste, hear, fingers (skin), eyes, nose, ear and tongue</p>	<p><b>Animals, including humans –</b> Offspring, reproduction, growth, child, young/old stages (examples - chick/hen, baby/child/adult, caterpillar/butterfly), exercise, heartbeat, breathing, hygiene, germs, disease, food types (examples – meat, fish, vegetables, bread, rice, pasta)</p>	<p><b>Animals, including humans –</b> Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine</p>	<p><b>Animals, including humans –</b> Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus, teeth, incisor, canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey, food chain</p>	<p><b>Animals, including humans –</b> Puberty – the vocabulary to describe sexual characteristics</p>	<p><b>Animals, including humans –</b> Heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs, lifestyle, artery, vein, enzyme, muscular system, digestive system, skeletal system, balanced diet,</p>
<p><b>Materials including changes -</b> ice, water, frozen, icicle, snow, melt, wet, cold, slippery, smooth, big, bigger, biggest, smaller, smaller, smallest, hard, soft, bendy,</p>	<p><b>Everyday materials –</b> Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy,</p>	<p><b>Use of everyday materials –</b> Names of materials – wood, metal, plastic, glass, brick, rock, paper, cardboard Properties of materials – as for Year 1 plus opaque,</p>		<p><b>States of matter –</b> Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle</p>	<p><b>Properties and changes of materials-</b> Thermal/electrical insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter,</p>	

rigid, wood, plastic, paper, card, metal, strong, weak, waterproof, soggy, not waterproof, change, change back, solid, liquid, gas.	stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see-through, not see-through	transparent and translucent, reflective, non-reflective, flexible, rigid Shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching			sieve, reversible/non-reversible change, burning, rusting, new material	
<b>Seasonal changes</b> - 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, hibernate, migrate, snowflake, nocturnal.	<b>Seasonal Changes</b> - Weather (sunny, rainy, windy, snowy etc.) Seasons (winter, summer, spring, autumn) Sun, sunrise, sunset, day length					
<b>Sound –</b> noise, listen, hear, music, voices, high, low, loud, quiet, soft, volume, crackle, thunder, hum, buzz, roar.			<b>Light-</b> Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, mirror, sunlight, dangerous	<b>Sound –</b> Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation		<b>Light –</b> As for Year 3 - Light, plus straight lines, light rays

<b>Forces -</b> 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. Sun, Moon, Earth, star, planet, sky, day, night, space, round.			<b>Forces and magnets-</b> Force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole		<b>Forces –</b> Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears	
				<b>Electricity-</b> Electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non- metal, symbol		<b>Electricity-</b> Circuit, complete circuit, circuit diagram, circuit symbol, cell, battery, bulb, buzzer, motor, switch, voltage, Brightness, volume, wire, safety, danger, series, parallel, diagram, bulb, buzzer, motor, symbols
			<b>Rocks –</b> Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk,			

			granite, sandstone, slate, soil, peat, sandy/chalk/clay soil			
					<b>Earth and Space –</b> Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), spherical, solar system, rotates, star, orbit, planets	
						<b>Evolution and inheritance-</b> Offspring, sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils