

# Science Curriculum Key Vocabulary

EYFS	Year 1	Year 2	Year 3	Year 4
<p style="text-align: center;"><b>Animals including humans</b></p> <p><b>Tier 1:</b> Face, hair, leg, knee, arm, elbow, back, head, toes, ear, hands, eyes, fingers, mouth</p> <p><b>Tier 2:</b> Touch, taste, sight, smell, hear</p> <p><b>Tier 1:</b> Baby, adult, growing, life cycle</p>	<p style="text-align: center;"><b>Animals including humans</b></p> <p><b>Tier 1:</b> baby, adult, growing, different, changes, ears, hearing, tongue</p> <p><b>Tier 2:</b> Compare, describe, similar, patterns, measure, record, test, senses, taste, touch, sight, smell, hear, dry, healthy, birds, fish, compare, similarities, differences, group</p> <p><b>Tier 3:</b> data, gather, predict, centimeter, millimeter, classify, sensory, damp, shady, vertebrate, invertebrate, backbone, habitat, amphibians, reptiles, mammals</p>	<p style="text-align: center;"><b>Animals including humans</b></p> <p><b>Tier 1:</b> Egg, chick, baby, adult, grow, change, feathers, questions, answers, record, young, old, change, water, food, air, healthy,</p> <p><b>Tier 2:</b> basic needs, gather, breathing hatch, observe, heart, beating, exercise, fruit, vegetables, bread, rice, potatoes, pasta, milk, dairy, food, sugar, meat, fish, egg, beans</p> <p><b>Tier 3:</b> survival, high in fat</p>	<p style="text-align: center;"><b>Animals including humans</b></p> <p><b>Tier 1:</b> bone, skeleton, food chain</p> <p><b>Tier 2:</b> Carnivore, herbivore, omnivore, diet, data, table, bar chart, carbohydrates, proteins, dairy, fats, sugar, vitamins, minerals, fibre, growth, repair, health, energy, skull, muscles, Lungs, data, investigate, measure, compare</p> <p><b>Tier 3:</b> nutrition, vertebrate, invertebrate, ribcage, pelvis, femur, joints, tendons, contract, relax, biceps, triceps, scattergram, diaphragm, lung capacity</p>	<p style="text-align: center;"><b>Animals including humans</b></p> <p><b>Tier 1:</b> Teeth, mouth, question</p> <p><b>Tier 2:</b> Chew, herbivore, carnivore, omnivore, digestion, diet, food chain, producer, predator, prey, stomach, evidence, digestion, digestive system, nutrition, saliva</p> <p><b>Tier 3:</b> incisors, molars, canines, jaw, saliva, oesophagus (gullet), small intestine, large intestine, rectum, anus, faeces (poo).</p>
<p style="text-align: center;"><b>Plants</b></p> <p><b>Tier 1:</b> Plant, leaf, tree, petals, trunk, fruit, branch, leaves, flowers, seed</p> <p><b>Tier 2:</b> roots, stem</p> <p><b>Tier 3:</b> <b>Absorb, life cycle</b></p>	<p style="text-align: center;"><b>Plants</b></p> <p><b>Tier 1:</b> Plant, leaf, grow, change, living, water, seeds, flower, leaves, flower</p> <p><b>Tier 2:</b> Weed, healthy, similar to, different from, pollen, garden centre, roots, stem</p> <p><b>Tier 3:</b> deciduous, evergreen</p>	<p style="text-align: center;"><b>Plants</b></p> <p><b>Tier 1:</b> Seed, bulb, water, warmth, leaves, stem, roots, light, dry, wet</p> <p><b>Tier 2:</b> wind, moist, growth</p> <p><b>Tier 3:</b> disperse, pollination, hydroponics, nutrients, germination</p>	<p style="text-align: center;"><b>Plants</b></p> <p><b>Tier 1:</b> Plants, growth, light, warmth, air, soil, water, stem, leaves, flowers, seeds, petals, fruits</p> <p><b>Tier 2:</b> height, root, seedlings, classify, buds, measure, record, table, temperature, line graph, bar graph, investigate</p> <p><b>Tier 3:</b> research, light levels, wilting, yellowing, requirement, transported, results</p>	

<p style="text-align: center;"><b>Everyday Materials</b></p> <p><b>Tier 1:</b> metal, wood, rock, plastic, glass, paper, fabric, freeze, melt, push, pull</p> <p><b>Tier 2:</b> Soft, smooth, shiny, rough, hard</p> <p><b>Tier 3:</b> investigate, explore, material, change</p>	<p style="text-align: center;"><b>Everyday Materials</b></p> <p><b>Tier 1:</b> breaks/tears, materials, bigger, smaller</p> <p><b>Tier 2:</b> Water, ice, melts, frozen, observe, puddle, waterproof, lightweight,</p> <p><b>Tier 3:</b> absorbent, properties, evaporation,</p>	<p style="text-align: center;"><b>Everyday materials</b></p> <p><b>Tier 1:</b> Material, shape, hard, soft,</p> <p><b>Tier 2:</b> changed, twist/twisting, squash/squashing, bend/bending, stretch/stretching, strong, weak, tear, rip, weight, bar chart, results</p> <p><b>Tier 3:</b> properties, rigid, flexible, stretchy, grams, properties, flexibility, concertina</p>	<p style="text-align: center;"><b>Rocks</b></p> <p><b>Tier 1:</b> Rock, chalk, sort, sand</p> <p><b>Tier 2:</b> sandstone, limestone, granite, slate, marble, classification, observation, predict, compare, man-made rocks, marble, limestone, slate, granite, soil, fair test, minerals, mold, cast, survey, acid, data, brick, tile, concrete, erosion, sandstone</p> <p><b>Tier 3:</b> Petrologist, igneous, sediment, sedimentary, metamorphic, permeable, impermeable, identification key, petrologist, database, ichthyosaur, plesiosaur, ammonite, micro-organisms, organic matter, particles, silt</p>	<p style="text-align: center;"><b>States of Matter</b></p> <p><b>Tier 1:</b> Solid, liquid, ice, rain, clouds, temperature, question, change, cycle, evidence, group, discuss, explain</p> <p><b>Tier 2:</b> particles, state, matter, grain, category, classify, gas, state, proof, gas, freezing, melting, degrees, evaporation, condensation/condensing, thermometer,</p> <p><b>Tier 3:</b> solidifying, celsius, fahrenheit, precipitation, vapor, transpiration,</p>
<p style="text-align: center;"><b>Seasonal Changes</b></p> <p><b>Tier 1:</b> Summer, Autumn, Winter, Spring</p> <p><b>Tier 2:</b> day, dark, light, night, season, moon, sun</p> <p><b>Tier 3:</b> lighter, darker, shadow, investigate, explore</p>	<p style="text-align: center;"><b>Seasonal Changes</b></p> <p><b>Tier 1:</b> Rain, snow, storm, thunder, lightning, cloudy, clothing, warm, cold, wind</p> <p><b>Tier 2:</b> summer, autumn, winter, spring, seasons, Shadow, sun, earth, spin, day, night, light, dark, weather, rainfall, data, temperature, patterns, direction</p> <p><b>Tier 3:</b> forecast, precipitation, gauge, thermometer</p>		<p style="text-align: center;"><b>Light</b></p> <p><b>Tier 1:</b> Light, colour, mirror,</p> <p><b>Tier 2:</b> white light, visible light, Light source, energy, reflect, predict, investigate, reflector, reflective materials, reflection, shadow, measure, image,</p> <p><b>Tier 3:</b> spectrum, refraction, concave, convex, transparent, translucent, opaque,</p>	<p style="text-align: center;"><b>Sound</b></p> <p><b>Tier 1:</b> Sound, listen, hear, ears, noise, loud, quiet, silent, medium, air, water,</p> <p><b>Tier 2:</b> Solid, vibrations, source, travel, loudness, prediction, results, resources, planning, pitch, soundwave, frequency, sign language, fair-tes, particles</p> <p><b>Tier 3:</b> transmit, amplitude, factor (variable), muffle</p>
		<p style="text-align: center;"><b>Living things and their habitats</b></p> <p><b>Tier 1:</b> Living, dead, sun</p> <p><b>Tier 2:</b> never been alive, feeds, grows, gets rid of waste, damp/wet/dry, dark/light,</p>		<p style="text-align: center;"><b>Living things and their habitats</b></p> <p><b>Tier 1:</b> Alive, dead, never been alive, question, classify, sort, group, similar, different,</p> <p><b>Tier 2:</b></p>

		<p>omnivore, herbivore, carnivore, seasons, shady, food chain, habitat,</p> <p><b>Tier 3:</b> categories, classification, reproduces, savannah, rainforest, tundra, microhabitat, features, predator, dependence</p>		<p>growth, habitat, local, living thing, plant, animal, insect, local, natural, man-made, observation, variety, identify, record, explore, key, details, movement, nutrition, sensitivity</p> <p><b>Tier 3:</b> reproduction, excretion, respiration, vertebrate, invertebrate, arachnid, branching database,</p>
			<p style="text-align: center;"><b>Forces and magnets</b></p> <p><b>Tier 1:</b> push, pull, force, theory, measure time, record,</p> <p><b>Tier 2:</b> fair test, investigate, gravity, contact, magnet, magnetism, results, table, magnetic, non-magnetic, attract, attraction, theory, repel, repulsion, poles</p>	<p style="text-align: center;"><b>Electricity</b></p> <p><b>Tier 1:</b> battery, plug, device, wire, buzzer, safety</p> <p><b>Tier 2:</b> Electricity, circuit, switch, mains, appliance, socket, mains, power, cell, energy, flow, current</p>