



# Science Vocabulary Progression Year 1 – Year 6

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology	Animals including humans	<p><b>senses:</b> hear, smell, touch, taste, see</p> <p><b>animals:</b> beak, wing, paw, feathers, claw, talons</p> <p><b>main body parts:</b> head, neck, arms, elbows, legs, knees, face, ears, hair, mouth, teeth, abdomen, chest, shoulders, toes</p> <p><b>classification:</b> herbivore, carnivore, omnivore, mammal, living, bird, fish, reptile, amphibian</p> <p><b>movement:</b> fly, swim, crawl, run</p>	<p>animals, plants senses</p> <p><b>health:</b> illness, medicine, exercise, hygiene, healthy, diet, fit, nutrition, unhealthy diet</p> <p><b>life processes:</b> survive, living, movement, respiration, growth, basic needs, reproduction, excretion, life process</p> <p><b>life cycles:</b> offspring, life cycle, baby, child, teenager, adult, elderly</p>	<p><b>skeletal system:</b> skeleton, muscle, bone, skull, ribs, spinal column, backbone, joints, sockets, femur, collarbone, humerus, ulna, radius, hip, pelvis, fibula, tibia, kneecap, shoulder blade, movement, support, protection, contract, relax</p> <p><b>classification:</b> vertebrates, invertebrates, insects, minibeasts, mammals, reptiles, fish, birds, amphibians</p> <p><b>nutrition:</b> food, growth, healthy, unhealthy, nutrition, exercise, balanced diet, sugar, fruit, vegetables, protein, carbohydrates, fat, dairy, vitamins, minerals</p>	<p><b>teeth:</b> canines, incisor, molars, premolars</p> <p><b>diet/digestion:</b> carnivore, herbivore, omnivore, digestion, large intestines, oesophagus, peristalsis, predator, prey, producer, saliva, small intestines, stomach</p>	<p><b>reproduction/stages of life:</b> baby, toddler, child, teenager, adult, senior, death, puberty, fertilise, egg, sperm, conception, foetus, womb, birth, develop, grow, change</p>	<p><b>circulatory system:</b> heart, heartbeat/heart rate, pulse, muscle, blood vessel, lungs, oxygen, oxygenated blood, deoxygenated blood, circulate, vein, artery</p> <p><b>diet:</b> diet, exercise, unhealthy, harmful, healthy, nutrients, water, transport, hygiene, smoking, alcohol, overweight</p>



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Biology	Plants	<p>plant, root, grow, branch, deciduous, evergreen, tree, flower, leaf, seed, stem, soil, trunk, to plant, to water</p> <p><b>types of plants:</b> tree, daisy, birch, dandelion, fir tree, buttercup, wild plant, pine tree, fruit, flower, nettle, oak tree, holly, vegetable, weed, sycamore tree</p>	<p>compost, sunlight, temperature, plant, tree, deciduous, evergreen</p> <p><b>parts of a plant:</b> flower, roots, stem leaf, bulb, seed, seedling</p>	<p>vegetable, plant</p> <p><b>reproduction:</b> pollen, pollination, pollinators, formation, dispersal, reproduce</p> <p><b>parts of a plant:</b> root, branch, seed, flower, leaf, seedling, stem, bulb, fruit, flower, blossom, trunk</p> <p><b>needs of a plant:</b> compost, nutrients, grow, air, light, soil</p>			
	Living things and habitats		<p>alive, conditions, adapted, animals, plants, living, dead, survive, basic needs, life process, food chain</p> <p><b>classification:</b> carnivore, herbivore, omnivore</p> <p><b>habitats:</b> woodland forest, jungle, polar region, desert, mountain, habitat, microhabitat</p>		<p>adaptation, pollution, habitats, environment, environmental change,</p> <p><b>classification:</b> exoskeleton, carnivore, herbivore, omnivore, mammal, reptile, bird, amphibian, key, classify, vertebrate, invertebrate, pigeon, eagle, gull, minibeast, insect</p> <p><b>life processes:</b> movement, respiration, growth, reproduction, excretion, nutrition, sensitivity</p>	<p><b>classification:</b> mammal, reptile, bird, fish, amphibian, insect</p> <p><b>life processes:</b> nutrition, movement, respiration, reproduction, excretion, growth, sensitivity</p> <p><b>life cycles:</b> egg, life cycle, womb, fertilisation, pollination, pollen, stamen, pistil, seed dispersal</p>	<p>characteristics, classify, environment, compare, features, classification key, key, flowering plant, non-flowering plant</p> <p><b>classification:</b> vertebrate, invertebrate, exoskeleton, vascular, non-vascular, taxonomy, herbivore, carnivore, omnivore, mammal, reptile, amphibian, bird, pigeon, eagle, seagull, fish</p> <p><b>microorganisms:</b> microorganism, bacteria, virus, fungi</p>



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Biology	Evolution						<b>evolution:</b> environment, gene, natural selection, organism, evolution, change over time, species, population, features, trait, inherited, characteristics, reproduce, offspring, variation, mutation, survive, survival of the fittest, adaptation



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Chemistry	Materials	<p><b>properties:</b> fragile, heavy, light, hard, soft, smooth, rough, squidgy, waterproof, strong, weak, bumpy, stretchy, see-through, breakable</p> <p><b>materials:</b> plastic, wood, rubber, fabric, metal, brick, rock, glass, paper, material, cotton, wool, fleece</p>	<p><b>properties:</b> fragile, heavy, light, hard, soft, smooth, rough, squidgy, waterproof, strong, weak, bumpy, stretchy, see-through, breakable</p> <p><b>materials:</b> plastic, wood, rubber, fabric, metal, brick, rock, glass, paper, material, cotton, wool, fleece</p>			<p>change, reversible, irreversible, saturation, insulation</p> <p><b>states of matter:</b> solid, liquid, gas</p> <p><b>properties:</b> flexible, soluble, insoluble, durable, thermal, magnets, magnetic, permeable, absorbant</p> <p><b>processes:</b> dissolving, evaporating, sieving, filtration, heat, boiling, condensing, evaporation, freezing, melting, chemical change, physical change</p>	



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Chemistry	Rocks			<p>rocks, soils, stone, pebbles</p> <p><b>types of rock:</b> slate, marble, chalk, granite, sandstone, clay</p> <p><b>properties:</b> hard, soft, permeable, appearance, physical properties, acid</p> <p><b>rock formation:</b> sedimentary, metamorphic, igneous, magma, bedrock, fossil</p>			
	States of Matter				<p>temperature, group, property, compare, particle, thermometer, research, change, degrees Celsius, observe</p> <p><b>states of matter:</b> solid, liquid, gas, state of matter, carbon dioxide, oxygen, helium, natural gas, air</p> <p><b>processes:</b> solidify, heat, measure, condensation, boiling, cool, condense, evaporation, evaporate, melt/melting, freeze/freezing</p> <p><b>water cycle:</b> water cycle, run-off, precipitation, collection, condensation, evaporation, droplet</p>		



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Physics	Forces and Magnets			contact, non-contact, iron, force, pull, push, magnet, poles, attract, repel, magnetic, non-magnetic, metal, stronger, weaker, movement, bigger, smaller force		gear, lever, pull, newton meter, surface area, push, pull, movement, grip, contact, streamlined  <b>types of force:</b> repel, upthrust/buoyancy, friction, air resistance, gravity, drag	
	Seasonal Change	autumn, spring, winter, summer, seasons, grow, new life, year, change, tree, plant, shadow  <b>weather types:</b> sun, snow, rain, hail, wind  <b>temperature:</b> cold, hot, warm					



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Physics	Earth and Space					<p>day, month, year, gravity, shadow, time zones, revolve, orbit, spin, rotate, axis, reflect</p> <p><b>solar system:</b> Neptune, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Earth, Sun, Moon, planet, star, space, solar system</p> <p><b>phases of the Moon:</b> waning gibbous, waxing gibbous, waxing crescent, waning crescent, last quarter, full Moon, first quarter, new Moon</p>	
	Electricity				<p>appliance, battery, conductor, circuit, components, current, electrical, insulator, mains power, portable, pylon, switch</p>		<p>appliance, battery, conductor, circuit, components, current, electrical, insulator, mains power, pylon, renewable energy, non-renewable energy</p>



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Physics	Light			<p>dark, absence of light, luminous, travel, reflection, reflect, shadow, see, eyes, mirror, direction, straight lines</p> <p><b>light source:</b> torch, sunlight, light source</p> <p><b>properties:</b> opaque, translucent, transparent, reflective, block</p>			<p>dark, absence of light, luminous</p> <p>scattering, absorption, refraction, travel, direction, straight lines, bend, reflective, mirror, reflection, reflect, block, shadow, cast</p> <p>rainbow, colours</p> <p>see, eyes</p> <p><b>light source:</b> torch, light beam, Sun, light, light source, light ray</p> <p><b>properties:</b> opaque, translucent, transparent</p>
	Sound				<p>vibrate, vibration, travel, sound, source, tension, particle, air</p> <p><b>parts of the ear:</b> pinna, cochlea, eardrum, ear</p> <p><b>volume:</b> quiet, loud, soft, loudness, volume, muffle, faint, noise</p> <p><b>pitch:</b> pitch, high, low</p>		