



Science Vocabulary Progression Year 1 – Year 6

		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Biology	Animals including humans	<p>senses: hear, smell, touch, taste, see</p> <p>animals: beak, wing, paw, feathers, claw, talons</p> <p>main body parts: head, neck, arms, elbows, legs, knees, face, ears, hair, mouth, teeth, abdomen, chest, shoulders, toes</p> <p>classification: herbivore, carnivore, omnivore, mammal, living, bird, fish, reptile, amphibian</p> <p>movement: fly, swim, crawl, run</p>	<p>animals, plants senses</p> <p>health: illness, medicine, exercise, hygiene, healthy, diet, fit, nutrition, unhealthy diet</p> <p>life processes: survive, living, movement, respiration, growth, basic needs, reproduction, excretion, life process</p> <p>life cycles: offspring, life cycle, baby, child, teenager, adult, elderly</p>	<p>skeletal system: 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>classification: vertebrates, invertebrates, insects, minibeasts, mammals, reptiles, fish, birds, amphibians</p> <p>nutrition: food, growth, healthy, unhealthy, nutrition, exercise, balanced diet, sugar, fruit, vegetables, protein, carbohydrates, fat, dairy, vitamins, minerals</p>	<p>teeth: canines, incisor, molars, premolars</p> <p>diet/digestion: carnivore, herbivore, omnivore, digestion, large intestines, oesophagus, peristalsis, predator, prey, producer, saliva, small intestines, stomach</p>	<p>reproduction/stages of life: baby, toddler, child, teenager, adult, senior, death, puberty, fertilise, egg, sperm, conception, foetus, womb, birth, develop, grow, change</p>	<p>circulatory system: heart, heartbeat/heart rate, pulse, muscle, blood vessel, lungs, oxygen, oxygenated blood, deoxygenated blood, circulate, vein, artery</p> <p>diet: 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>types of plants: 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>parts of a plant: flower, roots, stem leaf, bulb, seed, seedling</p>	<p>vegetable, plant</p> <p>reproduction: pollen, pollination, pollinators, formation, dispersal, reproduce</p> <p>parts of a plant: root, branch, seed, flower, leaf, seedling, stem, bulb, fruit, flower, blossom, trunk</p> <p>needs of a plant: 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>classification: carnivore, herbivore, omnivore</p> <p>habitats: woodland forest, jungle, polar region, desert, mountain, habitat, microhabitat</p>		<p>adaptation, pollution, habitats, environment, environmental change,</p> <p>classification: exoskeleton, carnivore, herbivore, omnivore, mammal, reptile, bird, amphibian, key, classify, vertebrate, invertebrate, pigeon, eagle, gull, minibeast, insect</p> <p>life processes: movement, respiration, growth, reproduction, excretion, nutrition, sensitivity</p>	<p>classification: mammal, reptile, bird, fish, amphibian, insect</p> <p>life processes: nutrition, movement, respiration, reproduction, excretion, growth, sensitivity</p> <p>life cycles: 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>classification: vertebrate, invertebrate, exoskeleton, vascular, non-vascular, taxonomy, herbivore, carnivore, omnivore, mammal, reptile, amphibian, bird, pidgeon, eagle, seagull, fish</p> <p>microorganisms: microorganism, bacteria, virus, fungi</p>



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Biology	Evolution						evolution: 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>properties: fragile, heavy, light, hard, soft, smooth, rough, squidgy, waterproof, strong, weak, bumpy, stretchy, see-through, breakable</p> <p>materials: plastic, wood, rubber, fabric, metal, brick, rock, glass, paper, material, cotton, wool, fleece</p>	<p>properties: fragile, heavy, light, hard, soft, smooth, rough, squidgy, waterproof, strong, weak, bumpy, stretchy, see-through, breakable</p> <p>materials: plastic, wood, rubber, fabric, metal, brick, rock, glass, paper, material, cotton, wool, fleece</p>			<p>change, reversible, irreversible, saturation, insulation</p> <p>states of matter: solid, liquid, gas</p> <p>properties: flexible, soluble, insoluble, durable, thermal, magnets, magnetic</p> <p>processes: 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>types of rock: slate, marble, chalk, granite, sandstone, clay</p> <p>properties: hard, soft, permeable, appearance, physical properties, acid</p> <p>rock formation: sedimentary, metamorphic, igneous, magma, bedrock, fossil</p>			
	States of Matter				<p>temperature, group, property, compare, particle, thermometer, research, change, degrees Celsius, observe</p> <p>states of matter: solid, liquid, gas, state of matter, carbon dioxide, oxygen, helium, natural gas, air</p> <p>processes: solidify, heat, measure, condensation, boiling, cool, condense, evaporation, evaporate, melt/melting, freeze/freezing</p> <p>water cycle: 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 types of force: repel, upthrust/buoyancy, friction, air resistance, gravity, drag	
	Seasonal Change	autumn, spring, winter, summer, seasons, grow, new life, year, change, tree, plant, shadow weather types: sun, snow, rain, hail, wind temperature: cold, hot, warm					



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



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