



Science Vocabulary Progression Year 1 – Year 6

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



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





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





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





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