



The Flourish Federation Science Progression in Vocabulary

Adopted	April 2022	Review	September 2022
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EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Working Scientifically question, answer, observe, observing, equipment, identify, sort, group, compare, differences, similarities, describe, measurements, test, results, secondary sources record – diagram, chart		Working Scientifically oral and written explanations, conclusion, predictions, criteria, classify, changes, data, contrast, evidence, improve, secondary sources, guides, keys, construct, interpret research – relevant question equipment – thermometer, data – gather, standard units, record, classify, present record – drawings, labelled diagrams, keys, bar charts, tables		Working Scientifically plan, variables, measurements, accuracy, precision, repeat readings, predictions, further comparative and fair test, identify, classify and describe, patterns, systematic, quantitative measurements report data – scientific diagrams, labels, classification keys, tables, scatter graphs, bar graph and line graphs report and present – conclusions, casual relationships, explanations, degree of trust, oral and written display and presentation evidence – support, refute, ideas or arguments biology, physics, chemistry	
	Animals including humans amphibians, fish, reptiles, mammals, birds (+ 1 example of each), herbivore, omnivore, carnivore head, nose, ear, neck, eyes, mouth, teeth, fingers, skin, tongue, shoulder, arm, elbow, wrist, hand, back, chest, hip, leg, knee, ankle, foot, wing, beak, tail, fin, feathers, scales, claws, sight, smell, touch, taste, hearing	Animals including humans Offspring, reproduction, growth, child, young/old stages caterpillar/butterfly, hen/chicken, etc), exercise, heartbeat, breathing, hygiene, germs disease, food-types (meat, fish, vegetable, etc)	Animals including humans skeleton, skull, spine, bones, vertebrates, invertebrates' muscles, joints, movement, support, protection, nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat	Animals including humans oesophagus, stomach, small intestine, large intestine, absorb, canine, incisor, molar, pre-molar, producer, consumer, apex, predator, digestive system, digestion, rectum, anus	Animals including humans womb, foetus, embryo, gestation, toddler, teenager, elderly, development, puberty	Animals including humans function, circulatory system, heart, valve, blood vessel, vein, artery transport, oxygenated, deoxygenated, pulse, rate, pumps, blood, lungs, carbon dioxide, lifestyle, drug
	Plants deciduous, evergreen, tree, leaf, flower (blossom), petals, fruit, bulb, seed, roots, stem, trunk, branches, berry, bark, stalk, bud *Speak with Tania about local flora & fauna	Plants growth, germinate, light, temperature, lifecycle, shade, warm, cool, water, healthy	Plants transportation, nutrients, soil, reproduction, seed formation, seed dispersal (wind, animal, water), insect/wind pollination, reproduce, pollen, photosynthesis	Living things & their habitats environment, habitat, classification, key, human impact, positive, negative, migrate, hibernate	Living things & their habitats life process, reproduction, sexual, sperm, fertilises, egg, live-young, metamorphosis, asexual, plantlets, runners, cuttings	Living things & their habitats characteristic, classification, organism, micro-organism, flowering, non-flowering, Reintroduce Yr 1 & 2 Animals Incl Humans.
	Everyday materials object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card(board), rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, break/tear, rough, smooth, shiny, dull, see-through, not see-through	Everyday materials and their uses opaque, transparent, translucent, reflective, non-reflective, flexible, rigid, shape, push(ing), pull(ing), twist(ing), squash(ing), bend(ing), stretch(ing).	Rocks Stone, pebble, boulder, grain, crystals, layers, texture, soil, fossil, marble, chalk, granite, sandstone, pumice, slate, peat, sandy/chalk/clay soil, crumble sedimentary, layer, sediment igneous, magma, lava, gas bubbles (tiny holes/spaces) metamorphic, change, squeeze, pressure	States of matter Solid, liquid, gas, state-change, heating, melting, freezing, melting-point, boiling-point, evaporation, temperature, water-cycle, solidify	Properties and changes to materials Thermal, electrical, conductor, insulator conductivity, dissolve, solution, filter, undissolved, dissolved mixture, soluble, insoluble, filter, sieve, reversable change, non-reversable change, burning, rusting, new material	Evolution & Inheritance sexual reproduction, vary, characteristics, suited, adapted, environment, inherited, species, fossils, genetics, survival



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	Seasonal change seasons, Winter, Spring, Summer, Autumn, Weather, sunny, rainy, windy, snowy, cloudy, sunrise, sunset, sun, day length	Living things & their habitats living, dead, habitat, microhabitat, woodland, meadow, hedgerow, pond survival, water, air, food reproduce, adult, baby, offspring, kitten, calf, puppy, food chain, prey, predator, camouflage, protection exercise, hygiene, balanced diet, basic needs, shelter, suitable, living, dead, never been alive	Light Light-source, mirror, reflect, reflective, reflection shadow, blocked, dark, absence of light, matte, surface, sunlight, dangerous Also refer to Year 2 Everyday Materials	Sound vibration, wave, volume, pitch, tone, insulation, silence, sound-source, travel, faint, loud	Earth & Space Earth, moon, solar system, axis of rotation, night, phases of the moon, star, constellation, spherical, orbit, planets (& names of)	Light refraction, reflection, spectrum, rainbow, straight-lines, rays Also refer to Year 3 Light
			Forces & magnets Force, contact, magnetic force, surface, magnetic, attract, repel, poles (north & south), strength, polarity (positive & negative), magnetic materials, metal, iron, steel	Electricity appliance, battery power, mains power, circuit, series, cell, battery, wire, bulb, switch, break in circuit, conductor, insulator, electricity, plug, component, connections, loose connections, crocodile clips, buzzer, motor, symbol	Forces air resistance, water resistance, friction, gravity lever, gear, pulley, Newtons, mechanisms, simple machines.	Electricity circuit - series, parallel, voltage, volts, amps, complete circuit, diagram