



Abbey Road Primary School - Science Vocabulary Progression

		EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Working scientifically Each year group/phase should build on the WS vocabulary used in the previous year groups/phases. Not all WS vocabulary will be used in every lesson/unit. Children should be working scientifically and hence using WS vocabulary in every lesson.</p>		What...? How? Why ...? What if ...? change, explain, compare, describe, investigate, find out, explore, observe, change, differences, similarities, sequence	What...? How? Why ...? What if ...? sort, label, change, compare, measure, describe, collect, equipment, differences, similarities, identify, observe, name, group, predict, test, answer	Y1 vocabulary +: investigation, experiment, observation, results, conclusion, classify, record, compare and contrast, fair test, predict, changes over time, measure, describe conditions, notice patterns, diagram	KS1 vocabulary +: data, units, control, prediction, variable, factors, effects, conditions, evidence, calculate, recognise, structure and function, investigate, results, data, graph, record, labelled diagram, experiment, explain, identify, research, suggest applications, reporting and presenting	Y3 vocabulary +: accurate measurements, annotate, repeat, explain, interpret, classification keys, criteria, construct, hypothesis	LKS2 vocabulary +: analyse, evaluate, verify data by..., categorise, enquiry, systematic, deduce, prove, disprove, degree of trust, opinion, fact, theory, scale, calibrate, model, precision, predict, causal relationships,	Y5 vocabulary +: database, support conclusion/hypothesis, refute hypothesis, justify, anomaly, degree of confidence, probability,
Biology	Plants	Names of some trees: lime, oak, horse chestnut, leaves, acorn, conkers, living, not living	Names of some: wild plants, garden plants, flowering plants, trees, leaf, flower, blossom, bud, petal, fruit, bulb, berry, root, tree, seed, trunk, branch, stem, bark, stalk, deciduous, evergreen	seed, bulb, grow, germinate, seedling, flower, root, light, shade, sun, warm, cool, water, grow, healthy, mature plant, temperature	photosynthesis, nectar, anther, ovary, ovule, petal, pollen, pollination, reproduction, stigma, style, stamen, function, dispersal – animal, wind, water, fertilization, fruit, seed formation, adapt to environment, transportation, germination, evaporation, temperature,			
	Animals including humans	food, sleep, water, teeth, dressing myself, washing myself, germs, hygiene, healthy food choices, fruit, fat, vegetables, exercise	human, body parts including: wrist, elbow, shoulder, ankle, knee, forehead, eyelash, eyebrow, head, body, eyes, ears, mouth, teeth, tongue, skin, leg, tail, wing, claw,	offspring, growth, reproduction, child, adult, survival, hygiene, birth, young/old stages (examples - chick/hen, baby/child/adult,	nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fat, fibre, water, skeleton, bones, muscles, joints, support, protect, skull, ribs, ribcage, spine, muscles, joints, balanced diet, obesity, invertebrate,	digestive system, digestion, mouth, teeth, saliva, tongue, oesophagus, absorption, stomach, acid, small intestine, enzymes, nutrients, large intestine, colon, rectum, anus, incisor,	puberty, adolescence, life cycle, reproduce, foetus, fertilisation, embryo, uterus, gestation, baby, toddler, childhood, teenager, adulthood, elderly	vital organs, heart, lungs, liver, kidney, brain, sensitivity, growth, reproduction, excretion, nutrition, skeletal, muscular, digestive, system, heart, pulse, rate,



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			fin, scales, feathers, fur, beak, paws, hooves senses – touch, see, smell, taste, hear, names of some common animals, diet, meat, plants, leaves, carnivores, herbivores, omnivores	caterpillar/butterfly), exercise, heartbeat, breathing, germs, disease, nutrients, food groups: protein, carbohydrates, fruit and vegetables, fats, dairy or alternatives	vertebrate, endoskeleton, exoskeleton, relax (loosen), contract (tighten), pairs, hinge joint, ball and socket joint, sliding joint	canine, molar, premolars, herbivore, carnivore, omnivore, producer, predator, prey, food chain, food web		beats per minute (bpm), pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs, lifestyle, recovery rate
	Living things and their habitats	Arctic, Antarctica, polar bears, blubber, penguins, fur, egg, pets minibeasts, insects, antennae, wings, legs, cocoon, environment, life cycle, snail, bee, caterpillar, ladybird, butterfly, spider, magnifying glass, wet, dry, damp		Names of plants and animals in habitats. living, dead, never been alive, suited, suitable, air/oxygen, basic needs, food, food chain, shelter, habitat, microhabitat, conditions, life processes (MRS – NERG) movement, respiration, sensitivity, nutrition, excretion, reproduction and growth		classification, classification keys, criteria, habitat, environment, positive impact, negative threat, migrate, hibernate, species, pollution, climate change, deforestation, urbanization, characteristics, extinction, sensitivity, endangered, Venn diagrams, Carroll diagrams, organism, life processes (MRS – NERG as in Yr 2), photosynthesis, invasive species, vertebrate, insects, reptiles, amphibians, mammals, birds invertebrate, arachnids, worms, snails, microorganisms, crustaceans, deciduous trees, evergreen, conifers	life cycle, offspring, reproduce, sexual reproduction, sperm, fertilises, egg, live young, metamorphosis, asexual reproduction, plantlets, runners, bulbs, cutting, mammal, insect, bird, amphibian, gestation, embryo, pollination, fertilisation	classification, taxonomy, species, organism, characteristics, vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, insects, echinoderms, molluscs, crustaceans, arachnids and annelids microorganisms, mould, fungus, bacteria, virus, yeast, appendages, endoskeleton, exoskeleton, flowering/non-flowering plants,



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	Evolution and inheritance							evolution, evolve, natural selection, variation, fossil, fossilisation, advantageous, extinction, offspring, genetic material, DNA, variation, characteristics, adapted, adaptation, adaptive traits, environment, inherited traits, species, fossils, community
Chemistry	Materials	waterproof, solid, melt, freeze, frozen, warm, cold, ice, ice cubes, water	Everyday Materials object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay properties of materials: hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, non-absorbent, breaks/tears, rough, smooth, shiny, dull, see-through, not see-through	Materials wood, metal, plastic, glass, brick, rock, paper, cardboard, fabric, purpose, function, suitable/unsuitable, Physical properties of materials – as for Year 1 and: opaque, transparent and translucent, reflective, nonreflective, flexible, rigid shape, effect of: push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching		States of matter states of matter, solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle, particle, molecules, category, solidify, solidifying, freezing, melting, condensing, condensation, evaporating, evaporation, thermometer, temperature, degrees Celsius °C	Properties and changes of materials Properties: hardness, solubility, transparency, thermal/electrical insulator/conductor, magnetic, material/substance, solids, liquids, gases, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve, separate, evaporate, reversible/irreversible change, burning, rusting, mixing, dissolving, purpose and function of materials and objects, formation of new materials	



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	Rocks				rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorbent/non-absorbent, soil, fossil, marble, chalk, granite, sandstone, slate, sandy/chalk/clay soil, sediment, sedimentary, weathering, igneous, metamorphic, organic matter, permeability palaeontologist, decompose, to mold, cast, cavity, minerals, harden, magma, lava, erosion			
	Seasonal changes	season, changes, leaves, acorns, conkers, summer, autumn, winter, spring	weather, sun, rain, wind, snow, hail, sleet, fog, hot, warm, cold seasons: winter, spring, summer, autumn sunrise, sunset, day length, light, dark					
Physics	Light				light, light source, dark, absence of light, transparent, translucent, opaque, shiny, surface, shadow, cast, reflect, reflective, mirror, sunlight, dangerous, luminosity, ray, reflective beam, waves, secondary sources of light, man-made, natural, safety, materials, surfaces, travels, straight, energy			light, light source (artificial and natural), dark, absence of light, shiny, surface, sunlight, luminosity, ray, reflective beam, secondary sources of light, waves, straight lines, reflect, shadow, cast, opaque, transparent, translucent, periscope, rainbow, filters,



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	Forces and magnets	magnets, pushes, pulls			force, push, pull, twist, contact (direct) force, non-contact force, magnetic force, attract, repel, magnet, magnetic material, purpose and function of magnets, button/ bar/ring/horseshoe magnets, magnetism, metal, iron, steel, alloy, magnetic poles, North/South pole, friction, magnetic field		force, gravity, pull, air resistance, water resistance, friction, surface, accelerate, decelerate, weight, mass, mechanisms, effects of: simple machines, levers, pulleys, gears	
	Sound					sound, source, wave, vibrate, vibration, medium, travel, pitch (high, low), volume, faint, loud, insulation		
	Electricity					electricity, energy, charge, safety, electrical appliance/device, mains electricity, plug, electrical circuit, complete circuit, series circuit, component, cell, battery, positive, negative, connect/connections, short circuit, crocodile clip, bulb, switch open/closed, buzzer, motor, conductor, insulator, metal, non-metal		circuit, complete circuit, component, conductor, energy, insulator, particle, property, material, appliance, charge, electron, battery, cell, bulb, buzzer, switch, wire, current electricity, static electricity, negative terminal, positive terminal, voltage, symbols, circuit diagram
	Earth and Space						Earth, Sun, Moon, celestial body, spherical, solar system, rotates, star, axis, orbit, planets, model, theories, geocentric,	



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							heliocentric, astronomer, planetary movement, gravity, leap year, lunar month, illuminate,	
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