

West Ashton CE Primary School - Science Vocabulary Progression

Below are the vocabulary lists for science. These give an indication of the words that we want children to become familiar with during each key stage. They are not intended as a test list but show the kind of language staff will use and explain in lessons to broaden pupils' scientific vocabulary and understanding.

Theme	EYFS Understanding the World	KS1	Lower KS2	Upper KS2
Working Scientifically	question, answer, observe, observing, equipment, identify, sort, group, compare, differences, similarities, describe, measurements, test, results, secondary sources record – diagram, chart		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	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	Human, animal, fish, birds, head, face, hair, leg, elbow, back, toes, hands, fingers	Sense, eye, ear, nose, mouth, hand, foot, feet, senses, arm, leg, head, neck, knee, wing, beak, see, hear, smell, touch, feel, alive, living, not alive, human, animal, tall, tallest, taller like, similar, to, different, same, body, bodies, change, sort, shorter, shortest, grow, move adult, young	Herbivore, carnivore, omnivore, feed, feeding, growth, activity, food groups, vegetables, meat, fish, cereals, sugars, fats, fruits, starches, tooth, teeth, incisor, molar, canine, diet, healthy, unhealthy, root, decay, food, balanced diet. Skeleton, bone, bones, ribs, spine, skull, vertebrate, contract relax, contraction, joint, move, muscles, muscle	Babyhood, childhood, adolescence, adulthood womb, foetus, embryo, gestation, baby, toddler, teenager, elderly growth, development, puberty function, circulatory system, heart, valve, blood vessel, vein, artery transport, oxygenated, deoxygenated lifestyle, drug
Plants	Tree, trunk, leaves, flowers, petals, fruit, roots, bulb	Plant, plants, branch, root, stem, trunk, flower, leaf, leaves, seeds, weeds, grow, growing, living, alive, not living, not alive, dead, healthy	Plants, light, warmth, water, leaves, roots, stem. grow, growth, height, germinate	Plant growth, fertiliser, nutrients, consumer, producer, predator, prey, food chain, key, suited, plant food, produces, identify, habitats, life processes, Reproduce, reproduction, stamen, stigma, sepal, petal, ovary, pollen, style, germinate, germination, fertilise, fertilisation, pollinate, pollination, disperse, dispersal,
Living Things and their Habitats	Garden, forest, wood, water	Reproduce, produce young, produce new plants, animals, plants, shoot, within, under, next to, fruit, earth, soil, seeds	Habitat, nutrition, environment, keys, condition, consumer, producer, organism, predator, prey, food chain, similar, different	Plant Growth, fertiliser, nutrients, consumer, producer, predator, prey, food chain, Key, suited, plant food, produces, identify, habitats, life processes Micro-organism, microbe, germ, virus, decay, mould, feed, grow, reproduce, bacteria
Evolution and Inheritance				adaptation, evolution, characteristic, reproduction, genetics, survival
Seasonal Changes	Summer, Spring, Autumn, Winter	Warm, warmth, cold, temperature, thermometer, degrees, Celsius, conductor, insulator, thermal, thermal conductor, thermal insulator, conduct, insulate, measure, room temperature		
Forces and Magnets		force, contact, surface, magnetic, attract, repel, poles	Force, movement, direction, distance, further, furthest, fast, faster, fastest, slow, slower, slowest, higher, highest, speed up, slow down, change direction, change shape, twist, squeeze, stretch, pull, twist	Friction, air resistance, water resistance, force meter, newton, surface area, forces, resists, Magnet, spring, metal, iron , copper, aluminium, steel, brass, attract, repel, magnetic, non-magnetic, attraction, repulsion, force, elastic, pull towards, push away from, stretch, squash, compress
Light		Bright, light, dark, black, night, day, reflective strip, reflect, torch, Sun, candle, lamp, darker, darkest, brighter, brightest, brightness, shine	Light, dark, shadow, transparent, opaque, direction, light travels, translucent, shortest, longest, highest, object, material, light source, Sun, night, day	Light, beam, reflect, reflection, opaque, mirror, light travelling, source, reflected, travel, block, shiny surface
Sound	Loud, quiet, volume, sound	Sound, sounds, high, low, loud, quiet, shake, rattle, blow, pluck, tap, scrape, ring, silence, direction, louder, loudest, quieter, quietest, noise, soft, further away, nearer, ear, faint, fainter, volume	vibration, wave, volume, pitch, tone, insulation	Changing sounds, sounds, loudness, vibrate muffle, tuning, quiet, soft, noise, sound, source, loud, high, low, vibrating, soundproof
Earth and Space	Earth, Moon, planet, space, Sun, star		Rock, slate, granite, sandstone, chalk, soil, clay, sand limestone, quartz, marble, stone, pebble, texture, absorbent, characteristic, surface	Earth, sun, moon, sphere, revolve, orbit, spin, rotate, axis, sunrise, sunset, north, south, east, west, light source, shadow

Electricity		Electricity, bulb, bulb holder, buzzer, battery, battery holder, switch, circuit, connection, wire, mains, crocodile clip, break, dim, bright, light, plug, socket, brighter	Electricity, electrical, circuit, battery, bulb, crocodile clip, buzzer, motor, conduct, conductor, insulate, insulator, power, bright, brightness, switch, break, dim, batteries,	Changing circuits, circuit, complete circuit, conductor, insulator, symbol, circuit diagram, electricity, component, voltage
Materials	Metal, plastic, wood, paper, glass, clay, rock, fabric, sand, hard, soft, rough, smooth, shiny, dull, bendy, waterproof, strong, weak, group, object, sort, stretchy, magnetic, not magnetic, lets light through	Materials, natural, man-made, manufactured, object, change, bake, bend, twist, stretch, squash, heat, cool, freeze, melt, boil, new material	Strong, weak, flexible, transparent, soft, hard, waterproof, absorbent, shiny, dull, rigid, rough, smooth, opaque, compare, comparison, describe, description material, characteristics, properties, stretchy. Solid, liquid, melt, freeze, solidify, dissolve, solution, filter, undissolved, separate, sieve, mix	Changing state, evaporate, evaporation, condense, condensation, state, solid, liquid, gas, melt, freeze, conditions, melting, solidify Dissolve, dissolving, undissolved, solution, mixture, evaporate, condense, pure, separate, clear, cloudy, filter, Gas gases, air, oxygen, carbon dioxide, natural gas, carbon monoxide, properties