



## Alverton Vocabulary Progression in Science

	EYFS Links	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Working Scientifically</b>		questions, answers, equipment, gather, measure record, results, sort, group, test, explore, observe, compare, describe, similar, difference, egg timers, ruler tape measure, metre stick, beaker, pipette, syringe	questions, answers, equipment, gather, measure record, results, pictogram, tally chart, block diagram, Venn diagram, table chart, sort, group, test, explore, observe, compare describe, similar/similarities different/differences, order, observe changes over time, notice patterns, link, secondary sources, lenses, egg timers, stopwatch, ruler, tape measure, metre stick, beaker, pipette, syringe	questions, types of scientific enquiry, answer, similarities, differences, changes, identify, classify, sort, group, order, observe changes over time, notice patterns, link, secondary sources, comparative tests, fair tests, careful, accurate, observations, questions, answers, equipment, gather, measure, record, results, evidence, present, data/evidence/results, keys, bar charts, table, results, conclusions, prediction, support/not support, thermometers, data loggers, magnifying glass, microscope	questions, types of scientific enquiry, answer, similarites differences, changes, increase, decrease, identify classify, sort, group, order, observe changes over time, notice patterns, link, secondary sources, comparative tests, fair tests, careful, accurate, observations, appearance, questions, answers, equipment, gather, measure record, results, evidence, present, data/evidence/results, keys, bar charts, table, results, conclusions, prediction, support/not support, thermometers, data loggers, magnifying glass, microscope	questions, types of scientific enquiry, answer, similarites, differences, changes, increase, decrease, identify, classify, sort, group, order, observe changes over time, notice patterns, link, secondary sources, opinion/fact, comparative tests, fair tests, variables, independent variable, dependent variable, controlled variable, careful, accurate, accuracy, precision degree of trust, observations, questions, answers, equipment, gather, measure, record, results, evidence, present, data/evidence/results, keys, classification keys, bar charts, scatter graphs, line graphs, table, results, conclusions, causal relationships, prediction, support/refute, thermometers, data loggers, magnifying glass, microscope	questions, types of scientific enquiry, answer, similarites differences, changes, increase, decrease, identify, classify, sort, group, order, observe changes over time, notice patterns, link, secondary sources, opinion/fact, comparative tests, fair tests, variables, independent variable, dependent variable, controlled variable, careful, accurate, accuracy, precision, degree of trust, observation, questions, answers, equipment, gather, measure, record, results, evidence, present, data/evidence/results, keys, classification keys, bar charts, scatter graphs, line graphs, table, results, conclusions, causal relationships, prediction, support/refute, thermometers, data loggers, magnifying glass, microscope
<b>Plants</b>	tree, petals, trunk, fruit, branch, roots, leaves, flowers, seed	wild plant, garden plant, flowering plant, deciduous, evergreen, leaf/leaves, flower, blossom, petal, fruit, berry, root, bulb, seed, trunk branch, stem, bark, stalk, vegetable	seeds, bulbs, fully grown, water, light, damp/wet/dry, dark/light, hot/warm/cool/cold, use comparatives e.g. hotter, grow/growth, healthy, shoot, seedling, wither/limp, die, dry/crispy, soil, earth	part, role, leaf/leaves, flower, blossom, petal, fruit, berry, root, bulb, seed, trunk, branch, stem, bark, stalk, water, light, air, nutrients, soil, fertilizer, damp/wet/dry, dark/light, hot/warm/cool/cold, use comparatives e.g. hotter, grow/growth, healthy, transported, life cycle, pollination, seed formation, seed dispersal			
<b>Animals including Humans</b>	face, hair, leg, human, knee, animal, arm, fish, elbow, birds, back, head, toes, ear, hands, eye, fingers, mouth, nose, life cycle	fish, amphibians, reptiles, birds, mammals, carnivores, herbivores, omnivores, wild animals, pet, body, head, neck, arms, elbows, legs, knees, face, ears, eyes, eyebrows, eyelashes,	offspring, babies, young, grow, change, adults, older/younger, baby/toddler/child/teenager, basic needs, water, food, air, breathing, survival, exercise, food types, fruit	nutrition, nutrients, food types, fruit and vegetable, bread, rice, potato, pasta, milk and dairy foods, foods high in fat or sugar, meat, fish, egg, beans, carbodrates	digestive system, nutrition, nutrients, mouth, teeth, canines, incisor, molar, pre-molar, saliva, tongue, rip, tear, chew, grind, cut, oesophagus (gullet), stomach, small intestine,		circulatory system, heart blood, blood vessels, pumps oxygen, carbon dioxide, lungs, nutrients, water, diet, exercise, drugs, lifestyle



## Alverton Vocabulary Progression in Science

		nose, hair, mouth, teeth, tongue, feet, toes, fingers, nails, ankle, calf, thigh, hips, waist, trunk, chest, shoulders, back, hands, wrist, tail, wing, claw, fin, scales, feathers, fur, beak, senses, hear/hearing, see/seeing, taste/tasting, rough/smooth, bright/dim, loud/quiet. high/low	and vegetable, bread, rice, potato, pasta milk and dairy foods, foods high in fat or sugar, meat, fish, egg, beans, hygiene, clean, wash, healthy, medicine, drugs	protein, vitamins and mineral fat, dietary fibre, water, balanced diet, skeleton, muscles, support, protection, movement, skull, ribs, spine/vertebra, joints, sockets, bones, tendons	large intestine, rectum, anus carnivore, herbivore, omnivore, producer, consumer, predator, prey, food chain		
<b>Everyday Materials</b>	material, metal, wood, rock, plastic, hard, glass, soft, paper, fabric, material, smooth, shiny, rough, freeze, melt, change, push, pull,	object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabrics, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy/floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see through, not see through	suitable/unsuitable, use/useful, object, material, property, wood, plastic, glass, metal, water, rock, brick, paper, fabrics, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, rigid, flexible, waterproof, absorbent, strong/weak, rough, smooth, reflective, non reflective, transparent, opaque, translucent, shape, changed, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching, pinch/pinching, poke/poking, roll/rolling, squeeze/squeezing			soft, stretchy, rigid, flexible waterproof, absorbent, strong/weak, rough, smooth, reflective, non reflective, transparent, opaque, translucent	
<b>Seasonal Changes</b>	summer, day, Spring, dark, Autumn, light, Winter, night, Season, Moon, Sun, lighter, darker, shadow,	season, spring, summer, autumn, winter, weather, hot/warm, cool/cold, sun/sunny, cloud/cloudy, wind/windy, rain/rainy, snow/snowing, hail/hailing, sleet, frost, fog/mist, ice/icy, rainbow, thunder, lightning, storm, light/dark, day/night					
<b>Living Things and Their Habitats</b>			living, dead, never been alive, move, grow, feed, have offspring/young/babies, <b>name local habitats</b> e.g. a pond, woodland, meadow <b>name micro-habitats</b> e.g. under log, stony path, under bushes damp/wet/dry, dark/light, hot/warm/cool/cold, use		classification keys, environment, fish, amphibians, reptile, birds, mammals, vertebrates, invertebrate, name some invertebrate, human impact, name positive human impact, name negative human impact	life cycle, reproduction, sexual, asexual, germination, pollination, seed formation, seed dispersal, pollen, stamen, stigma, plantlets, spider plant, runners e.g. strawberry plant, mammal, amphibian, insect, bird, fish, reptile, eggs, live young	organism, micro-organisms, fungus, mushrooms, classification keys, environment, fish, amphibians, reptiles, birds, mammals, vertebrates, invertebrates, name some invertebrates, arachnid mollusc, insect, crustacean



## Alverton Vocabulary Progression in Science

			comparatives e.g. hotter, suited/suitable, basic needs, depend, food, food chain, shelter				
<b>Rocks</b>				rock, stone, pebble, boulder, soil, fossils, grains, crystals, hard/soft, texture, absorb, water, let water through, marble, chalk, granite, sandstone, slate, sandy soil, clay soil, chalky soil, peat			
<b>Light</b>				light, light source, names of light sources e.g. torch, dark/darkness, reflect, reflective, mirror, shadow, block, direct/ direction, transparent, opaque, translucent			light, light source, names of light sources e.g. torch, dark/darkness, reflect, reflective, mirror, shadow, block, absorb, direct/ direction, transparent, opaque, translucent
<b>Forces and Magnets</b>				force, push/pushing, pull/pulling, contact force, non contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, non magnetic material, poles, north pole, south pole		magnetic force, magnet, attract, fall, Earth, gravity, air resistance, water resistance, friction, moving surfaces, mechanisms, levers, pulleys, gears, force, transfers	
<b>States of Matter</b>					states of matter, solid, liquid, gas, air, oxygen, powder, grain/granular, crystals, change state, ice/water/steam, water. vapour, heated/heating, cooled/cooling, temperature, degrees Celsius, melt, freeze, solidify, melting point, molten, boil, boiling point, evaporate/evaporation, condense/condensation, water cycle, precipitation, transpiration		
<b>Sound</b>	loud, quiet, volume, sound				sound, sound source, noise, vibrate/vibration, travel, solid/liquid/gas, pitch, tune, high/low, volume, loud/quiet, fainter, muffle, strength of vibrations, insulation, instrument, percussion, strings, brass, woodwind, tuned instrument		



## Alverton Vocabulary Progression in Science

<b>Electricity</b>					electricity, appliances/device mains, plug, electrical circuit, complete circuit, circuit diagram, circuit symbol, components, cell, battery, positive/negative, connect/connection, loose, connection, short circuit wire, crocodile clip, bulb, bright/dim, switch, buzzer, motor, fast(er)/slow(er), conductor, insulator, metal/non metal		electricity, appliances/device, electrical circuit, complete, circuit, circuit diagram, circuit symbol, components, cell, battery, positive/negative, terminal, connect/connection, loose connection, short circuit, wire, crocodile clip, bulb, bright/dim, switch, buzzer, volume, motor, fast(er)/slow(er), conductor, insulator, metal/non metal, voltage, current, resistance,
<b>Properties and Changes of Materials</b>						solubility, electrical conductivity, thermal conductivity, melting, states of matter, solid, liquid, gas, change state, dissolve, solution, soluble, insoluble, solute, solvent, particle, mix/mixture, filtering, sieving, evaporating, residue, condensing, reversible changes, new material, not usually reversible, burning, gas given off, rusting	
<b>Earth and Space</b>	Earth, Moon, Sun, star, planet, space					Earth, planets, Sun, solar system, Moon, celestial body, sphere/spherical, rotate/rotation, spin, night and day, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, 'dwarf' planet, orbit, revolve, geocentric model, heliocentric model, shadow clocks, sundials, astronomical clocks	
<b>Evolution and Inheritance</b>							evolution, suited/suitable, environment, suited, adapted/adaptation, offspring, characteristics, vary/variation, inherit/inheritance, fossils