

## KS1 and KS2 Vocabulary Progression (Science)

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p><b>Animals Including Humans</b> Human, animal, reptile, amphibian, mammal, fish, bird, beak, herbivore, carnivore, omnivore, sight, sound, smell, taste, touch</p>	<p><b>Animals Including Humans</b> Mammals, birds, reptiles, amphibians, gills, baby, toddler, teenager, adult, elderly, hygiene, pregnancy, egg, spawn, tadpole, lungs</p>	<p><b>Animals Including Humans</b> Nutrients, nutrition, carbohydrates, protein, fats, vitamins, minerals, water, fibre, skeleton, bones, joints, endoskeleton, exoskeleton, hydrostatic skeleton, vertebrates, invertebrates, muscles, contract, relax</p>	<p><b>Animals Including Humans</b> Digestive system, oesophagus Stomach, gallbladder, mouth, tongue, teeth, small intestine, large intestine, pancreas, rectum, anus, liver, duodenum, canine, incisor, molar, premolar, producer, consumer</p>	<p><b>Animals Including Humans</b> Puberty, gestation, reproduce, foetus, fertilisation, prenatal, baby, infancy, childhood, adolescence, young adulthood, middle adulthood, late adulthood, womb, hypothalamus, pituitary gland, menstruations</p>	<p><b>Animals Including Humans</b> Circulatory, blood vessels, artery, vein, oxygenated, deoxygenated, valve, pulmonary, alveoli, capillary, digestion, transportation, gas exchange, villi, nutrients, oxygen</p>
<p><b>Plants</b> Fruit, bark, trunk, branches, stem, leaves, leaf, seed, roots, flower, blossom, petal, growth, deciduous, evergreen</p>	<p><b>Plants</b> Fruit, leaf, root, stem, seed, bulb, flower, grain, legume, germinate, observe, comparative test, predict</p>	<p><b>Plants</b> Fruit, leaf, root, stem, seed, bulb, flower, grain, legume, germinate, observe, comparative test, predict</p>	<p><b>Living things and their habitats</b> Organism, variation, classification, vertebrates, invertebrates, reptile, bird, mammal, amphibian, fish, global, local, characteristics, habitat, environment, endangered, extinct, conservation, ecological, deforestation</p>	<p><b>Living things and their habitats</b> Sexual, asexual, reproduction, cell, fertilisation, pollination, male, female, pregnancy, gestation, mammal, metamorphosis, amphibian, insect, egg, sperm, embryo, bird, plant,</p>	<p><b>Living things and their habitats</b> Classify, Classification, bacteria, characteristics, microorganism, organism, invertebrates, vertebrates, sexual, asexual, domain, phylum, genus, species</p>
<p><b>Everyday Materials</b> Glass, metal, rock, plastic, wood, transparent, waterproof, opaque, materials, stiff, soft, shiny, rough, bendy, stretchy, absorbent, smooth, dull, hard.</p>	<p><b>Living things and their habitats</b> Living, non-living, dead, herbivore, carnivore, omnivore, minibeast, microhabitat, urban, woodland, pond, coast, ocean, Arctic, tropical, desert, producer, predator, consumer, prey</p>	<p><b>Rocks</b> Igneous, sedimentary, metamorphic, Sandstone, Granite, Marble, Pumice, Crystals, anthropic, permeable, impermeable, chemical fossils, animal fossils, mould fossils, cast fossils, organic, top soil, subsoil, base rock</p>	<p><b>States of Matter</b> Solid, liquid, gas, particles, state, materials, properties, matter, melt, freeze, condensation, evaporation, water vapour, energy, precipitation, collection</p>	<p><b>Properties and changes of materials</b> Conductor, conductivity, dissolve, insoluble, suspension, chemical, physical irreversible, solution, reversible, separation, mixture, insulator, transparent, permeable, soluble, magnetic</p>	<p><b>Evolution and Inheritance</b> Evolution, adaptation, inherited traits, inheritance, adaptive traits, natural selection, DNA, genes, genetics, variation, parent, offspring, fossil, environment, habitat, fossilisation.</p>
<p><b>Seasonal Changes Autumn/Winter</b> Seasons, summer, winter, autumn, spring, temperature, rain gauge, night, seasonal, weather, rainfall, observe, wind direction, day length, measure, thermometer, record, month, data, symbol, leaves, millimetres, adapt, survive, hibernate, migrate</p>	<p><b>Everyday Materials</b> Waterproof, rubber, rock, paper, cardboard, wood, metal, plastic, glass, brick, twisting, stretching, squashing, bending, macadamisation</p>	<p><b>Light</b> Reflective, reflection, visible, bounce, mirror, ray, beam, sun, glare, pupil, retina, travel, opaque, translucent, transparent, shadow</p>	<p><b>Sound</b> Amplitude, volume, pitch, particles, wave, dynamics, tone, speaker</p>	<p><b>Earth and Space</b> Planets, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, solar, lunar, moon, moon phases, rotation, eclipse, orbit, axis, hemisphere, spherical, geocentric, heliocentric</p>	<p><b>Light</b> Shadow, filter, reflect, absorb, refract, spectrum, wavelength, prism, visible, lens, incidence, photon</p>
<p><b>Seasonal Changes Spring/Summer</b></p>		<p><b>Forces and Magnets</b> Force, push, pull, friction, surface, magnet, magnetic, magnetic field, poles, north, south, attract, repel, compass</p>	<p><b>Electricity</b> Electricity, neutrons, protons, electrons, nucleus, atom, electric current, appliances, mains, battery, switch, bulb, conductor, insulator</p>	<p><b>Forces</b> Air resistance, water resistance, gravity, buoyancy, mechanism, pulley, streamline, gear, opposing, push, pull, accelerate, decelerate, Newton</p>	<p><b>Electricity</b> Electrical current, alternating current, direct current, cells, circuit, voltage, series, conductors, insulators, amps, volts, switches, battery, buzzer</p>
<p><b>Working Scientifically</b> Identify, predict, classify, observe, observing, sort</p>	<p><b>Working Scientifically</b> Identify, predict, classify, observe, observing, sort</p>	<p><b>Working Scientifically</b> <b>Research</b> – identify, classify, relevant, question, scientific enquiry, comparative, fair test, systematic, observation, accurate, measure  <b>Equipment/data</b> – gather, record, classify, present  <b>Record</b> – oral/written explanation, conclusion, prediction, differences, similarities, changes, evidence, improve</p>	<p><b>Working Scientifically</b> <b>Research</b> – identify, classify, relevant, question, scientific enquiry, comparative, fair test, systematic, observation, accurate, measure  <b>Equipment/data</b> – gather, record, classify, present  <b>Record</b> – oral/written explanation, conclusion, prediction, differences, similarities, changes, evidence, improve</p>	<p><b>Working Scientifically</b> <b>Research</b> – relevant, question, scientific enquiry, comparative, fair test, systematic, observation, accurate, measure, dependent, independent, variables, precision, classify, identify  <b>Equipment/data</b> – gather, record, classify, present  <b>Record</b> – oral/written explanation, conclusion, prediction, differences, similarities, changes, evidence, improve, observe, evidence, refute, systematic, quantitative, justify.</p>	<p><b>Working Scientifically</b> <b>Research</b> – relevant, question, scientific enquiry, comparative, fair test, systematic, observation, accurate, measure, dependent, independent, variables, precision, classify, identify  <b>Equipment/data</b> – gather, record, classify, present  <b>Record</b> – oral/written explanation, conclusion, prediction, differences, similarities, changes, evidence, improve, observe, evidence, refute, systematic, quantitative, justify.</p>

