

Topic-Specific Vocabulary Progression in Science

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Animals Including Humans fish, reptiles, mammals, birds, amphibians (and examples of each) herbivore, omnivore, carnivore, leg, arm, elbow, head, ear, nose, back, wings, beak Plants deciduous, evergreen trees, leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, stem Everyday Materials wood, plastic, glass, paper, water, metal, rock, hard, soft, bendy, rough, smooth	Animals Including Humans survival, water, air, food, adult, baby, offspring, kitten, calf, puppy, exercise, hygiene Plants seeds, bulbs, water, light, temperature, growth Living Things and their Habitats living, dead, habitat, energy, food chain, predator, prey, woodland, pond, desert Uses of Everyday Materials hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, waterproof, absorbent, opaque, transparent brick, paper, fabrics, squashing, bending, twisting, stretching elastic, foil	Animals Including Humans movement, muscles, bones, skull, nutrition, skeletons Plants air, light, water, nutrients, soil, reproduction, transportation, dispersal, pollination, flower Rocks fossils, soils, sandstone, granite, marble, pumice, crystals, permeable, absorbent Light light, shadows, mirror, reflective, dark, reflection Forces and Magnets magnetic, force, contact, attract, repel, friction, poles, push, pull	Animals Including Humans mouth, tongue, teeth, oesophagus, stomach, small intestine, large intestine, herbivore, carnivore, canine, incisor, molar Living Things and their Habitats vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, snails, slugs, worms, spiders, insects, environment, habitats States of Matter solid, liquid, gas, evaporation, condensation, particles, temperature, freezing, heating Sound volume, vibration, wave, pitch, tone, speaker Electricity cells, wires, bulbs, switches, buzzers, battery, circuit, series, conductors, insulators	Animals Including Humans foetus, embryo, womb, gestation, baby, toddler, teenager, elderly, growth, development, puberty Living Things and their Habitats mammal, reproduction, insect, amphibian, bird, offspring Properties and changes of Materials hardness, solubility, transparency, conductivity, magnetic, filter, evaporation, dissolving, mixing Forces air resistance, water resistance, friction, gravity, Newton, gears, pulleys Earth and Space Earth, Sun, Moon, axis, rotation, day, night, phases of the Moon, star, constellation	Animals Including Humans circulatory, heart, blood vessels, veins, arteries, oxygenated, deoxygenated, valve, exercise, respiration Living Things and their Habitats classification, vertebrates, invertebrates, micro-organisms, amphibians, reptiles, mammals, insects Light refraction, reflection, light, spectrum, rainbow, colour Electricity cells, wires, bulbs, switches, buzzers, battery, circuit, series, conductors, insulators, amps, volts, cell Evolution and Inheritance fossils, adaptation, evolution, characteristics, reproduction, genetics

Working Scientifically Vocabulary Progression

KS1	LKS2	UKS2
question, answer, observe, observing, equipment, identify, classify, sort, diagram, chart, map, data, compare, contrast, describe, group, record	research, relevant questions, scientific enquiry, comparative and fair test, systematic, careful observation, accurate measurements, equipment, thermometer, data logger, data, gather, record, classify, present record drawings, labelled diagrams, keys, bar charts, tables, oral and written explanations, conclusion, predictions, differences, similarities, changes, evidence, improve, secondary sources, guides, keys, construct, interpret	plan, variables, measurements, accuracy, precision, repeat readings, record data, scientific diagrams, labels, classification keys, tables, scatter graphs, bar graph and line graphs, predictions, further comparative and fair test, report and present conclusions, causal relationships, explanations, degree of trust, oral and written display and presentation, evidence, support, refute ideas or arguments, identify, classify and describe, patterns, systematic, quantitative measurements