

Science Curriculum Key Vocabulary



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Working scientifically	Question, answer, observe, observing, equipment, identify, classify, sort, diagram, chart. Map, data, compare, contrast, describe, biology, chemistry, physics, group record.		Research, scientific enquiry, comparative and fair test, systematic, careful observation, accurate, measurement, equipment, thermometer, data logger, data, gather, record, classify, present, record, drawings, labelled diagrams, keys, bar charts, tables, explanations, conclusion, predictions, similarities, differences, changes, evidence, improve, secondary sources, guides, keys, construct, interpret.		Plan, variables, measurements, accuracy, precision, repeat readings, report data, scientific diagrams, labels, classification keys, tables, scatter graphs, bar graph and line graphs, predictions, comparative and fair test, reports and present, conclusions, casual relationships, explanations, degree of trust, evidence support, refute ideas or arguments, identify, classify, describe patterns, systematic, quantitative, measurements	
	Animals including humans fish, reptiles, mammals, birds, amphibians (+ examples of each) herbivore, omnivore, carnivore, leg, arm, elbow, head, ear, nose, neck, knees, face, eyes, hair, mouth, teeth, back, wings, beak	Animals including humans survival, water, air, food, adult, baby, offspring (including names of animals), grow, reproduce, nutrition, exercise, hygiene	Animals including humans movement, muscles (pull and contract) , bones, skull, nutrition, skeleton, diet, vitamins, minerals, fat, protein, carbohydrates, fibre, ribs	Animals including humans digestive system, mouth, tongue, teeth, oesophagus, stomach, small intestine, large intestine, herbivore, carnivore, canine, incisor, molar, transports, acid, enzymes, food chain, producers, prey, predators	Animals including humans foetus, embryo, womb, gestation, baby, toddler, child, teenager, elderly, growth, development, puberty	Animals including humans circulatory, heart, blood vessels, veins, arteries, oxygenated, deoxygenated, valve, exercise, respiration, organs, lungs, liver, kidney, brain.
Scientist	Carl Hagenbeck/ Linda Brown Buck	Dr Elsie Widdowson	Marie Curie			Alexander Fleming
	Plants deciduous, evergreen, trees, leaves, leaf, plant, flower (blossom), petals, fruit, roots, bulb, bud, seed, trunk, branches, stem, wild & garden plant	Plants seed, bulb, water, light, temperature, growth, healthy, germinate, germination, reproduction	Plants Y1 & 2 vocabulary & air, light, water, nutrients, soil, reproduction, transportation, dispersal, pollination, flower	Living things and their habitats vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates (snails, slugs, worms, spiders, insects), environment, habitats	Living things and their habitats mammal, reproduction, insect, amphibian, bird, offspring	Living things and their habitats classification, vertebrates, invertebrates, micro-organism, amphibians, reptiles, mammals, insects
Scientist	David Attenborough	Jane Goodall		Gerald Durrell's	Eva Crane	Carl Linnaeus
	Everyday Materials material, wood, plastic, glass, paper, water, metal, rock, hard, soft, bendy, rough, smooth	Living things and their habitats living, dead, never alive, habitat, healthy, energy, food chain, predator, prey, woodland, pond, desert	Rocks fossils, rock, sedimentary, soils, sandstone, granite, marble, pumice, crystals, properties, absorbent	States of Matter solid, liquid, gas, evaporation, condensation, particles, temperature, freezing, heating, boiling, water vapour, degrees Celsius	Properties and changes of materials properties, hardness, solubility, transparency, conductivity, magnetic, separate, filter, reversible, irreversible, evaporation, dissolving, mixing	Evolution and Inheritance fossils, adaptation, evolution, characteristics, reproduction, genetics, environment, offspring, change, variation
Scientist	Charles Macintosh	Rachel Carson	Mary Anning / William Smith	Lord Kelvin	Stephanie Kwolek	Mary Leaky
	Seasonal Changes summer, spring, autumn, winter, sun, day, moon, night, light, dark, wind, rain, snow, hail	Everyday materials and their uses Y1 vocabulary & hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, waterproof, absorbent, opaque, transparent brick, paper, fabrics, squashing, bending, twisting, stretching elastic, foil	Light light, dark, reflect, surface, reflective, natural (star, sun moon) artificial (torch, candle, lamp), shadow, blocked, solid, mirror, reflection	Sound sound, ear, hear, volume. vibration, wave, pitch, tone, speaker, insulate	Earth and Space Earth, sun, moon, axis, orbit, rotation, day, night, phases of the moon, star, planets (and their names, solar system. satellite, universe, spherical	Light refraction, reflection, light, travels, straight, source, object, shadow, object, filter, spectrum, rainbow, colour,
Scientist	George James Symons	John Dunlop / Charles Macintosh.		Alexander Graham Bell	Margaret Hamilton	
			Forces and magnets magnetic, force, contact, attract, repel, friction, poles (north and south), push, pull, surface	Electricity appliances, electricity, danger, symbol, cell, wire, bulb, switch, buzzer, battery, circuit, series, conductor, insulator, names of materials, open, closed	Forces air resistance, Water resistance, Friction, surface force, accelerate, decelerate, Gravity, Newton, Gears, Pulleys, mechanism	Electricity appliances, electricity, cell, wire, bulb, switches, diagram, symbols buzzer, battery, circuit, series, conductors, insulators, amps, voltage, cell
Scientist			Galileo Galilei	Thomas Edison	Isaac Newton	Steve Jobs

