



Science Curriculum Key Vocabulary Progression



EYFS – Reception

Animals Including Humans: herbivore, carnivore, omnivore, human, fish, birds, head, eyes, nose, mouth, ears, face, hair, hands, fingers, feet, toes, arm, elbow, leg, knee, back, animal

Plants: tree, trunk, branch, leaf, leaves, flower, stem, petals, fruit, roots, bulb, seed

Materials: material, wood, plastic, glass, paper, shiny, metal, rock, hard, soft, fabric, smooth, rough

Seasonal Changes: Summer, Spring, Autumn, Winter, day, dark, light, night, Season, Moon, Sun

Forces, Earth & Space: Earth, Moon, Sun, star, space, Planet

Sound, Light & Electricity: loud, quiet, volume, sound

WORKING SCIENTIFICALLY					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>question, answer, investigation, observe, observing, equipment, measure, record, results, evidence, test, explore, classify, patterns, identify, sort, group, compare, differences, similarities, describe, measurements, test, results, secondary sources</p> <p>record – diagram, chart</p> <p>equipment - hand lenses, egg timers, ruler, tape measure, metre stick, beaker, pipette, syringe</p>		<p>oral and written explanations, conclusion, predictions, criteria, classify, changes, data, contrast, evidence, improve, secondary sources, guides, keys, construct, interpret, questions, types of scientific enquiry, answer, similarities, differences, identify, sort, group, order, observe, changes over time, notice patterns, link, comparative tests, fair tests, careful, accurate observations, questions, answers, equipment, gather, measure, record results, present data/evidence, results, support/not support, accurate, appearance, decrease, types of scientific enquiry</p> <p>research – relevant question</p> <p>equipment – thermometer, data loggers, magnifying glass, microscope</p> <p>data – gather, standard units, record, classify, present</p> <p>record – drawings, labelled diagrams, keys, bar charts, tables</p>		<p>plan, variables, measurements, accuracy, precision, repeat, types of scientific enquiry, similarities /differences, changes, increase, decrease, 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, degree of trust observations, questions, answers, equipment, gather, measure, record, results, evidence, present data/evidence/results, readings, predictions, further comparative and fair test, identify, classify and describe, patterns, systematic, quantitative measurements</p> <p>report data – scientific diagrams, labels, classification keys, tables, scatter graphs, bar graph and line graphs</p> <p>equipment - thermometers data loggers magnifying glass microscope</p> <p>report and present – conclusions, casual relationships, explanations, degree of trust, oral and written display and presentation</p> <p>evidence – support, refute, ideas or arguments biology, physics, chemistry</p>	

BIOLOGY: Animals, including Humans

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
amphibians, fish, reptiles, mammals, birds (+ 1 example of each), herbivore, omnivore, carnivore, head, nose, ear, neck, shoulder, arm, elbow, wrist, hand, back, chest, hip, leg, knee, ankle, foot, wing, beak, tail, fin, dorsal fin, gill, sight, smell, touch, taste, hearing	survival, water, air, food reproduce, adult, baby, offspring, kitten, calf, puppy, food chain, prey, predator, camouflage, protection, exercise, hygiene, balanced diet	skeleton, skull, bones, muscles, movement, support, protection, nutrition	mouth, tongue, teeth, oesophagus, stomach, small intestine, large intestine, nutrients, absorb, canine, incisor, molar producer, enamel, consumer, apex predator	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, illegal drug, addictive

BIOLOGY: Plants

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
deciduous, evergreen, tree, leaf, flower (blossom), petals, fruit, bulb, seed, roots, stem, trunk, branches	growth, germinate, light, temperature, reproduce, lifecycle	air, water, transportation, nutrients, soil, reproduction, seed formation, seed dispersal, pollination			

BIOLOGY: Living Things & Their Habitats

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	living, dead, habitat, microhabitat, woodland, meadow, hedgerow, pond		vertebrates, invertebrates (+ 1 example of each) environment, habitat, classification key	life process, reproduction, offspring	characteristic, classification, organism, micro-organism Evolution & Inheritance adaptation, evolution, characteristic, reproduction, genetics, survival

CHEMISTRY					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Everyday materials wood, plastic, glass, paper, metal, rock, hard, soft, rough, smooth, shiny, dull, bendy, stiff	Everyday materials and their uses brick, fabric, elastic, foil, property, solid, waterproof, absorbent, opaque, transparent, squash, bend, flexible, twist, stretch push, pull, roll, slide, bounce	Rocks soils, organic matter, organism, fossil, crystal, sandstone, granite, marble, pumice, crumble, sedimentary, layer, sediment, igneous, magma, lava, gas bubbles (tiny holes/spaces), metamorphic, change, squeeze, pressure, permeable, impermeable	States of matter solid, liquid, gas, evaporation, condensation, particle, temperature, freezing, heating	Properties and changes to materials hardness, transparency, conductivity (electrical, thermal) solubility, solution dissolve, filter, evaporate, sieve, reversible, irreversible	
PHYSICS					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Seasonal change season, spring, summer, autumn, winter, month, year, day, night, sun, moon, light, dark		Light light source, mirror, reflect, reflective, reflection shadow, blocked transparent, translucent, opaque	Sound vibration, wave, volume, pitch, tone, insulation	Earth & Space Earth, sun, moon, solar system, axis of rotation, day, night, phases of the moon, star, constellation	Light refraction, reflection, lens, iris, cornea, pupil, retina, sclera, optic nerve, light source, periscope
		Forces & Magnets force, contact, surface, magnetic, attract, repel, poles	Electricity appliance, battery power, main power, circuit, series, cell, battery, wire, bulb, switch, break in circuit conductor, insulator	Forces air resistance, water resistance, friction, gravity lever, gear, pulley, Newtons	Electricity circuit - series, parallel, voltage, volts, amps