

Reception	Working Scientifically	Plants	Living things and their habitats	Animals, including humans	Evolution and inheritance	Seasonal changes	Materials	Rocks	Light	Forces	Sound	Electricity	Earth and space
	look closely, observe, watch, touch, feel, smell, listen, same, different, compare, ask questions, record, sort, group		plant, tree, bugs, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of contrasting environment	names of animals, live, on land, in water, jungle, desert, North pole, south pole, sea, hot, cold, wet, dry, snow, ice, hair, eyes, skin, big/tall, small/short, bigger/smaller, baby, toddler, child, adult, old person, old, young, brother, sister, mother, father, aunt, uncle, grandmother, grandfather, cousin, friend, family, boy, girl, man, woman		spring, summer, autumn, winter, seasons, sunny, cloudy, hot, warm, cold, shower, raining, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddle, windy, rainbow, animals, young, plants, flowers	ice, water, frozen, icicle, snow, melt, wet, cold, slippery, smooth, big, bigger, biggest, smaller, smallest, hard, soft, bendy, rigid, wood, plastic, paper, card, metal, strong, weak, hot, apply heat, waterproof, soggy, not waterproof, best, change, change back		sun, sunny, light, shadow, shady, clouds, torch, see-through, not see-through, source, light source	float, sink, up, down, top, bottom, surface, move, roll, drop, fly, turn, spin, fall, fast, slow, faster, slower, slowest, further, furthest, wind, air, water, blow, bounce	sound, noise, listen, hear, music, voices, bird song, traffic, sirens, thunder, high, low, loud, quiet, soft, volume, crackle, hum, buzz, roar		sun, moon, earth, star, planet, sky, day, night, space, round, bounce, float

Year 1	Working Scientifically	Plants	Living things and their habitats	Animals, including humans	Evolution and inheritance	Seasonal changes	Materials	Rocks	Light	Forces	Sound	Electricity	Earth and space
	observe, changes, patterns, grouping, sorting, compare, same, different, identify, measure, data, record results, drawing, picture, table tally chart, present, pictogram, block chart, venn diagram, ask questions, test, investigate, explore, equipment, resources, magnifying glass, hand lens, ruler, tape measure, metre stick, pipette, syringe, spoon, teaspoon, answer questions, interpret results, scientific enquiry, pattern seeking, comparative testing, observing over time, classifying, researching using secondary sources	leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud, names of trees in the local area, names of garden and wild flowering plants in the local area		head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, names of animals, experience first-hand from each vertebrate group, parts of the human body including those within the school's RSE policy, senses, touch, see, smell, taste, hear, fingers, skin, eyes, nose, ears, tongue		weather, sunny, rainy, raining, shower, windy, snowy, cloudy, hot, warm, cold, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddles, rainbow, seasons, winter, summer, spring, autumn, sun, sunrise, sunset, day, length	object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, 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						

Year 2	Working Scientifically	Plants	Living things and their habitats	Animals, including humans	Evolution and inheritance	Seasonal changes	Materials	Rocks	Light	Forces	Sound	Electricity	Earth and space
	observe, changes, patterns, grouping, sorting, compare, same, different, identify, measure, data, record results, drawing, picture, table tally chart, present, pictogram, block chart, venn diagram, ask questions, test, investigate, explore, equipment, resources, magnifying glass, hand lens, ruler, tape measure, metre stick, pipette, syringe, spoon, teaspoon, answer questions, interpret results, scientific enquiry, pattern seeking, comparative testing, observing over time, classifying, researching using secondary sources	light, shade, sun, warm, cool, water, space, grow, healthy, bulb, germinate, shoot, seedling	living, dead, never been alive, suited, suitable, basic needs, food, food chain, shelter, move, feed, water, air, survive, survival, names of local habitats, names of micro-habitats, conditions, light, dark, shady, sunny, wet, damp, dry, hot, cold, names of living things in the habitats and micro-habitats studied	offspring, reproduction, growth, bay, toddler, child, teenager, adult, old person, names of animals and their babies, survive, survival, water, food, air, exercise, heartbeat, breathing, hygiene, germs, disease, food types			opaque, transparent, translucent, reflective, non-reflective, flexible, rigid, shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching						

Year 3	Working Scientifically	Plants	Living things and their habitats	Animals, including humans	Evolution and inheritance	Seasonal changes	Materials	Rocks	Light	Forces	Sound	Electricity	Earth and space
	practical work, fair testing, relationships, accurate, thermometer, data logger, stopwatch, timer, estimate, data, diagram, identification key, chart, bar chart, prediction, similarity, difference, evidence, information, findings, criteria, values, properties, characteristic, conclusion, explanation, reason, evaluate, improve	photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport		nutrition, nutrients, carbohydrate, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine				rock, stone, pebble, boulder, grain, crystal, layers, hard, soft, texture, absorbs water, fossil, bone, flesh, minerals, marble, chalk, granite, sandstone, slate, types of soil	light, light source, dark, absence of light, surface, shadow, reflect, mirror, sun, sunlight, dangerous	force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole			

Year 4	Working Scientifically	Plants	Living things and their habitats	Animals, including humans	Evolution and inheritance	Seasonal changes	Materials	Rocks	Light	Forces	Sound	Electricity	Earth and space
	practical work, fair testing, relationships, accurate, thermometer, data logger, stopwatch, timer, estimate, data, diagram, identification key, chart, bar chart, prediction, similarity, difference, evidence, information, findings, criteria, values, properties, characteristic, conclusion, explanation, reason, evaluate, improve		classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate	digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestines, large intestines, rectum, anus, incisor, canine, molar, premolar, herbivore, carnivore, omnivore, producer, predator, prey			solid, liquid, gas, heating, cooling, state, change, melting, freezing, melting point, boiling, boiling point, evaporation, condensation, temperature, water cycle				sound, source, vibrate, vibration, travel, pitch, volume, faint, quiet, loud, insulation	electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol	
Year 5	Working Scientifically	Plants	Living things and their habitats	Animals, including humans	Evolution and inheritance	Seasonal changes	Materials	Rocks	Light	Forces	Sound	Electricity	Earth and space
	variables, independent variable, dependent variable, control variable, evidence, justify, argument (science), casual relationship, accuracy, precision, scatter graphs, bar graphs, line graphs, force meter		life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, cuttings	puberty, the vocabulary to describe sexual characteristic in line with schools RSE policy			thermal, insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve, reversible/non-reversible change, burning, rusting, new material			force, gravity, earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears			sun, moon, earth, planets, spherical, solar system, rotate, star, orbit

Year 6	Working Scientifically	Plants	Living things and their habitats	Animals, including humans	Evolution and inheritance	Seasonal changes	Materials	Rocks	Light	Forces	Sound	Electricity	Earth and space
	variables, independent variable, dependent variable, control variable, evidence, justify, argument (science), casual relationship, accuracy, precision, scatter graphs, bar graphs, line graphs, force meter		vertebrates, fish, amphibians, reptiles, birds, mammals, warm-blooded, cold-blooded, invertebrates, insects, spiders, snails, worms, flowering, non-flowering, mosses, ferns, conifers	heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, cycle, circulatory system, diet, drugs, lifestyle	offspring, sexual reproduction, vary, characteristic, adapted, inherited, species, evolve, evolution				straight lines, light rays			circuit diagram, circuit symbol, voltage	