

Reception						
Year 1	<b>Everyday Materials</b> wood, plastic, glass, paper, water, metal, rock, hard, soft, bendy, rough, smooth, waterproof	<b>Seasonal Changes 1</b> summer, spring, autumn, winter, Sun, day, Moon, stars, night, light, dark, weather, rain, thunder, lightning, sun, rainbow, wind, deciduous, evergreen trees	<b>Animals, Including Humans</b> fish, reptiles, mammals, birds, amphibians (+ examples of each) herbivore, omnivore, carnivore, leg, arm, elbow, head, ear, nose, back, wings, beak, nest	<b>Seasonal Changes 2</b> (See Seasonal Changes 1)	<b>Plants</b> leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, stem, shoot, bud, nutrients, soil	<b>Working Scientifically Vocabulary:</b>  question, answer, observe, observing, equipment, identify, classify, sort, group, compare
Year 2	<b>Everyday Materials and their Uses</b> stretchy, stiff, shiny, dull, bendy, waterproof, absorbent, opaque, transparent, brick, paper, fabrics, squashing, bending, twisting, stretching elastic, foil, float, sink	<b>Living Things and their Habitats</b> living, dead, habitat, energy, food chain, predator, prey, woodland, pond, desert, producer, consumer	<b>Animals, Including Humans</b> survival, water, air, food, adult, baby, basic needs, offspring, exercise, hygiene, lifecycle, pulse, fruit and vegetables, cereals, meat, fish and eggs, dairy, high energy foods	<b>Plants</b> seeds, bulbs, water, light, temperature, growth, germinate, photosynthesis, nutrients, dispersal – (Blowing, Eating, Exploding, Floating, Falling, and Sticking), pips, nuts, berries	record, diagram, chart, map, data, compare, describe, prediction, tally, interpret, graph	
Year 3	<b>Rocks</b> fossils, soils, sandstone, granite, marble, pumice, crystals, absorbent, sedimentary, metamorphic, igneous, formation, volcano, sea bed, natural man-made, permeable, impermeable, durable, fossilisation, pressure, layers, organic matter	<b>Animals, Including Humans</b> movement, muscles, bones, skull, nutrition, skeletons, cranium, humerus, clavicle, radius, ulna, scapula, metacarpals, phalanges, thoracic cage, femur, fibula, tibia, metatarsals, talus, sternum, exoskeleton, endoskeleton, hydrostatic, mandible, pelvis, patella, food groups, vitamins, minerals, nutrients, carbohydrates, fibre, saturated, unsaturated fats, litre	<b>Forces and magnets</b> magnetic, force, contact, attract, repel, friction, poles, push, pull, surface, observe, magnetic, magnetic field, north, south, compass direction, bar, horseshoe, button disc, arc, cylinder, square	<b>Light</b> light, shadows, mirror, reflective, dark, reflection, absence, absorb, transparent, translucent, transmit, man-made, ultra-violet, light spectrum, angle, direction, light source, eye, pupil, retina, dilate, contract, orbit, sundial	<b>Plants</b> soil, reproduction, transportation, dispersal, pollination, flower, photosynthesis, chlorophyll, anther, stamen, stigma, clay, loam, sandy, roots, stem, trunk, anchor, carbon dioxide, absorb, sunlight, seed formation, life cycle, fertilisation, style, ovary, filament, dissect, medicine, benefits, deforestation, nectar, ovule	research, relevant questions scientific enquiry, comparative and fair test, equipment, data, record, oral and written explanations conclusion, predictions, investigate, label, diagram
Year 4	<b>Sound</b> volume, vibration, wave, pitch, tone, speaker, frequency, hammer, anvil, stirrup, cochlea, timbre, duration, travel, instrument, volume, string, percussion, wind, high, low, deaf, sign language, sound proofing, insulation, vacuum, absorb, amplitude, particles, pluck, shake.	<b>Animals, Including Humans</b> mouth, tongue, teeth, oesophagus, stomach, small intestine, large intestine, producers, predators, prey, canine, incisor, molar, anus, rectum, liver, kidney, bile, duodenum, gall bladder, enzymes, bacteria, producer, predator, prey, primary, secondary, tertiary consumers, food chain.	<b>Electricity</b> wires, bulbs, switches, buzzers, battery, circuit, series, conductors, insulators, renewable, generated, non-renewable, benefits, battery, mains, alternating current, appliances, hazard, shock, volts, cells, crocodile, complete, incomplete, elements, graphite, knob, dimmer, pull, slide, break, bright, dim.	<b>Living Things and their Habitats</b> vertebrates, invertebrates, snails, slugs, worms, spiders, insects, environment, habitats, habitats, movement, respiration, sensitivity, growth, reproduction, excretion, nutrition, classification, amphibian, reptile, bird, fish, mammal, characteristics, organism, variation, specimen, thorax, abdomen, antennae, segmented, wing case, proboscis, prolegs,	<b>States of Matter</b> solid, liquid, gas, evaporation, condensation, particles, temperature, freezing, heating, properties, thermometers, particles, vibrations, atoms, molecules, flow, slide, vibrating, melt, boiling point, melting, degrees, Celsius, transfer, temperature, mercury, poison, vapour, freezing, melting, density, expand, transpiration, reversible, droplets, vapour, precipitation, infiltrate, condense, cycle, stomata, fresh water, salt water, ice caps, glaciers, adaptations, movements, air pressure,	systematic, careful, observation, accurate, measurements, thermometer, data logger, gather, record, classify, present, drawings, labelled diagrams, keys, bar charts, tables, classify, present, record, differences, similarities, changes, evidence, improve secondary sources, guides, keys, construct, interpret, variable, venn, carroll,
Year 5	<b>Properties and Changes of Materials</b> hardness, solubility, transparency, conductivity, magnetic, filter, evaporation, dissolving, mixing, properties, transparent, translucent, opaque, reversible, irreversible,	<b>Forces</b> air resistance, water resistance, friction, gravity, Newton, gears, pulleys, gravity, mass, mechanism, steamline	<b>Earth and Space</b> Earth, Sun, Moon, axis, rotation, day, night, phases of the Moon, star, constellation, geocentric, heliocentric, time zone, Greenwich Mean Time (GMT), spherical	<b>Living Things and their Habitats</b> reproduction, life cycle, process, insect, offspring, metamorphosis, asexual, sexual, ovule, fertilisation, pollination, marsupial	<b>Animals, Including Humans</b> foetus, embryo, womb, gestation, baby, toddler, teenager, elderly, growth, development, puberty, sperm, adolescence, prenatal, genitals, menstruation, amphibian, molluscs, arachnid	plan, variables, measurements, accuracy, precision, repeat readings, report data, scientific diagrams, labels, classification keys, tables, scatter graphs, bar graphs, line graphs, predictions, conclusions, further comparative and fair tests
Year 6	<b>Light</b> refraction, reflection, speed of light, visible spectrum, rainbow, colour, block, shadow, observation, Isaac Newton, prism, angle of incidence,	<b>Electricity</b> conductors, insulators, amps, volts, voltage, electricity, component, cell battery, wire, bulb, motor, buzzer, switch, open, close, crocodile clip,	<b>Evolution and Inheritance</b> fossils, adaptation, evolution, characteristics, reproduction, genetics, inherited traits, adaptive traits, selective, cross-breeding, evolutionary theories, genus, family,	<b>Living Things and their Habitats</b> classification, vertebrates, invertebrates, micro-organisms, Carl Linnaeus, system, hierarchy, characteristics, organism, group,	<b>Animals, Including Humans</b> circulatory system, heart, blood vessels, veins, arteries, oxygenated, deoxygenated, valve, exercise, respiration, digestive system, nutrients, alcohol, drugs, lifestyle, pulse rate,	report and present, causal relationship, explanations, degree of trust, oral and written display and presentation, support, refute ideas or arguments, identify,

	angle of reflection, equal, cast, mirror, wavelength,	current, complete circuit, symbol, diagram, representation,	modern human, homo sapien, natural selection, natural selection, DNA, genes	cells, level, rank, kingdom, phylum, class, order, family, genus, species.	negative impact, beneficial impact, capillaries, pulmonary, aorta, kidney, liver	classify and describe patterns, systematic, quantitative measurements
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