

Science Curriculum – Key Vocabulary



Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Animals including Humans Fish, Reptiles, Mammals, Birds, Amphibians (+examples of each) Herbivore, Omnivore, Carnivore, Leg, Arm, Elbow, Head, Body, Eyes, Mouth, Teeth, Tongue, Ear, Nose, Back, Tail, Wings, Beak, claw, fin, scales, beak, paws, hooves senses, touch, taste, see, smell, skin.</p>	<p>Animals including Humans Survival, Water, Air, Food, Adult, Baby, Offspring, Kitten, Calf, Puppy, hatchling, chick, gills, pregnancy, egg, spawn, tadpole, lungs, Offspring, growth, child, young/old stages (examples - chick/hen, baby/child/adult, caterpillar/butterfly Exercise, Hygiene, heartbeat, breathing, germs disease food types (examples – meat, fish, vegetables, bread, rice, pasta</p>	<p>Animals including Humans Nutrition, carbohydrates, protein, fats, vitamins, minerals, water, fibre, Movement, Muscles, Bones, Skull, ribs, spine, skeleton, support, protect, move, joints, endoskeleton, exoskeleton, vertebrates, invertebrates, muscles, contract, relax</p>	<p>Animals including Humans Digestive system, Mouth, Tongue, teeth, saliva, Oesophagus, gall bladder, Stomach, Small intestine, pancreas, Large intestine, rectum, anus, liver, Herbivore, Carnivore, Omnivore, tooth, canine, incisor, molar, premolar, producer, predator, prey, food chain, consumer.</p>	<p>Animals including Humans Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, adolescence, Elderly, Growth, Development, Puberty. life cycle, reproduce, fertilisation, life expectancy</p>	<p>Animals including Humans Circulatory system, Heart, pulse, pump, Lungs, Blood, Vessels, Veins, Arteries, Oxygenated, Deoxygenated, Valve, Exercise, Respiration nutrients, water, exercise oxygen, carbon dioxide, lifestyle, alcohol, drugs, tobacco.</p>
<p>Plants Deciduous, Evergreen trees, Leaves, Flowers, blossom, Petals, Fruit, Roots, Bulb, bark, stalk, berry, Seed, Trunk, Branches, Stem, buds, garden plants, wild plants</p>	<p>Plants Water, Light, Temperature, Growth, light, shade, sun, warm, cool, water, grow, healthy, germinate</p>	<p>Plants Air, Light, Nutrients, Soil, Reproduction, Transportation, Flower, seed, leaf, stem, roots, petal, pollen, life cycle, dispersal (wind, animal, water) pollination (insect, wind), seed formation, fertilisation, germination, ovary, ovule, sepal, stamen, anther, filament, stigma, style, photosynthesis.</p>	<p>Living Things in their habitats Vertebrate, Fish, Reptiles, Mammals, Birds, Amphibians, Invertebrate, Snails, Slugs, Worms, Spiders, Insects, Environment, Habitats. Environment, flowering, non-flowering, plants, human impact, nature reserves, deforestation, Classification, classification keys, habitat, human impact, positive, negative, migrate, hibernate</p>	<p>Living Things in their habitats Mammal, Reproduction, Insect, Amphibian, Bird, Fish, Offspring, Sexual, asexual, reproduction, cell, fertilisation, pollination, male, female, pregnancy, gestation, young, metamorphosis, egg, sperm, embryo, plant, Life cycle, live young.</p>	<p>Living Things in their habitats Classification, Vertebrates, Invertebrates, Micro-organisms, Amphibians, Reptiles, Mammals, Insects. Classify, compare, bacteria, characteristics, organism, flowering, non-flowering.</p>
<p>Everyday Materials 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</p>	<p>Living Things in their habitats Living, dead, never been alive, suited, suitable, basic needs, food, food chain, energy, predator, prey, shelter, move, feed, names of local habitats e.g. pond, woodland, desert etc., names of micro-habitats e.g. under logs, in bushes etc Conditions, damp, dark, shade etc</p>	<p>Rocks Fossils (chemical, body, trace, cast, replacement, mould), extinct, organic, Mary Anning, rocks, igneous, metamorphic, sedimentary, anthropic, absorbent, permeable, impermeable, rock, stone, pebble, boulder grain, crystals, layers, hard, soft, Sandstone, Granite, Marble, Pumice, Crystals, chalk, slate. Soils, organic matter, top soil, sub soil, base rock, peat, sandy/chalk/clay soil</p>	<p>States of matter Solid, Liquid, Gas, Evaporation, Condensation, Particles, Temperature, Freezing, Heating. state, materials, properties, matter, melt, freeze, water, ice, process, water vapour, energy, precipitation, collection, water cycle, melting point, boiling point.</p>	<p>Properties and changes of materials Hardness, Solubility, Transparency, Conductivity (Thermal, electrical), Magnetic, Filter, Evaporation, Dissolving, Mixing. Material, insoluble, suspension, chemical, physical, irreversible, solution, reversible, separate, mixture, insulator, transparent, flexible, permeable, soluble, property, hard. change of state, mixture, dissolve, solution, filter, sieve, burning, rusting, new material, malleable, absorbent, carbon dioxide.</p>	<p>Evolution and Inheritance Evolution, adaptation, inherited traits, inheritance, adaptive traits, characteristics, reproduction, genetics, natural selection, suited, adapted, Charles Darwin, Alfred Wallace, DNA, genes, species, variation, parent, offspring, fossil, environment, habitat, fossilisation, plants, animals, living things</p>
<p>Seasonal Changes Summer, Spring, Autumn, Winter, Sun, Day, Night, Moon, Light, Dark, weather, sunny, rainy, snowy, windy, sunrise, sunset, day length, monsoon, thunderstorm.</p>	<p>Everyday materials and their uses Hard, Stiff, Stretchy, Stiff, Shiny, Dull, Rough, Smooth, Waterproof, Absorbent, Opaque, Transparent, translucent, Brick, Paper, Glass, Fabrics, Elastic, Foil, Rubber, rock, cardboard, metal, plastic, reflective, non-reflective, flexible, rigid, shape, push/pushing, pull/puling, twist/twisting, squash/squashing. Bend/bending, stretch/stretching</p>	<p>Light Light source, dark, reflect, reflective, reflection, ray, mirror, bounce, visible, beam, sun, glare, travel, straight, opaque, shadow, block, transparent, translucent, shiny, matt, sunlight -dangerous</p>	<p>Sound Volume (faint, loud), Vibration, Wave, Pitch (high, low), Tone, Speaker, Amplitude, quiet, loud, ear, particles, instruments, Sound, source, travel, sound insulation</p>	<p>Earth and Space Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the moon, star, constellation. Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, planets, solar system, rotate, orbit, spherical, time zone</p>	<p>Light Shadow, light, filter, colour, reflect/reflection, absorb, refract/refraction, spectrum, wavelength, prism, visible, lens, angle, straight line, light ray, beam, rainbow</p>
		<p>Forces and magnets Magnetic, Force, Contact force, non-contact force, magnetic force, magnet, strength, Attract, Repel, Friction, Poles, Push, Pull bar magnet, ring magnet, button magnet, horseshoe magnet, metal, iron, steel, poles, north pole, south pole, compass.</p>	<p>Electricity Circuit, Series, Conductors, electrical insulators Electricity, electric current, appliances, mains, crocodile clips, wires, bulb, battery cell, battery holder, motor, buzzer, switch, positive, negative</p>	<p>Forces Air resistance, Water resistance, Friction, Gravity, Newton, Pulleys, Gears. Force, push, pull, opposing, streamline, brake, mechanism, lever, cog, bouyancy</p>	<p>Electricity Cells/battery, Wires, bulb, Buzzers, motor, switch, Circuit, circuit diagram/symbol, Series, Conductors, Insulators, Amps, electric current, Volts to describe different batteries, open switch, closed switch, motor, buzzer, circuit, voltage, brightness</p>