

Science

Key Vocabulary Y1-Y6

<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
<p><u>Animals including humans</u> Fish, Reptiles, Mammals, Birds, Amphibians (+ examples of each) Herbivore, Carnivore, Omnivore Head, ear, eye, mouth, nose, leg, knee, arm, elbow, back Wings, beak, fins, scales, hair, feathers, hear, smell, sight, sound, touch</p>	<p><u>Animals including humans</u> Survival, water, air, (oxygen) food, adult, baby, offspring, exercise, hygiene, life cycle, birth, teenager, adult, parent, elderly person, grow</p>	<p><u>Animals including humans</u> Bones, muscles, skull, ribs, skeleton, support, protection, movement, herbivore, carnivore, omnivore, teeth, canine, incisor, molar, balanced diet, nutrition, nutrients, fruit and vegetables, carbohydrates, protein, roughage, fibre, sugar, fat, dairy, joints, ribs, heart, skull, brain, backbone, spine</p>	<p><u>Animals including humans</u> Mouth, tongue, teeth, canine, incisor, molar, oesophagus, stomach, small intestine, large intestine, herbivore, carnivore, omnivore, digestion, animals, food chain, food web, producer, consumer, predator, prey,</p>	<p><u>Animals including humans</u> Foetus, embryo, womb, gestation, baby, toddler, teenager, puberty, adolescent, adult, elderly, development, growth, organ, carpel, stamen, pollen, seeds, seed head, pollinator, pollination, fertilisation, reproduction, gender, male, female, mate, sperm, pregnant, give birth, young, pup, calf, foal, chick, hatch, fledge, fledgling</p>	<p><u>Animals including humans</u> Heart, Blood ,Circulatory system, blood vessels, veins, arteries, valves, oxygenated, deoxygenated, exercise, pulse, respiration, lungs, plasma, platelets, pump, vein,</p>
<p><u>Plants</u> Evergreen & deciduous trees, branches, trunk, leaves, flowers (blossom) petals, fruit, roots, bulb, seed, stem, wild flower (+range of examples)</p>	<p><u>Plants</u> Seeds, bulb, water, light, temperature, growth Revise roots, stem, leaves, petals, observe, observations, bean, soil, dark, germinate,</p>	<p><u>Plants</u> Air, light, water, soil, nutrients, reproduction, seed formation, dispersal, germination, pollination, transportation, species, location (photosynthesis), stigma, style, ovary, anther, filament,</p>	<p><u>Living things and their habitats</u> Fish, Reptiles, Mammals, Birds, Amphibians, snails, slugs, worms, spiders, insects, environment, habitat, vertebrate, invertebrate, exo skeleton, adaptation</p>	<p><u>Living things and their habitats</u> Reproduction of mammal, bird, insect and amphibian , offspring, complete / incomplete metamorphosis, hatch, life cycle, aging, death, migrate, migration, endangered, extinct, evolution,</p>	<p><u>Living things and their habitats</u> Classification, mammals, birds, amphibians, fish, reptiles, insects vertebrates, invertebrates, micro-organisms, bacteria, fungi, identify, Aristotle, Carl Linnaeus, kingdom, Kingdoms of living things: Animalia, Plantae, Fungi, Protista, and Monera Plant kingdom: flowering plants, conifers, ferns, mosses and algae</p>
<p><u>Everyday Materials</u> Material, wood, plastic, glass, paper, fabric, metal, rock, hard, soft, smooth, shiny, rough, bendy (flexible) rock, fabric, wool, properties, hard, soft, rough, smooth, shiny, dull, light, heavy, transparent (see-through), opaque (can't see-through),</p>	<p><u>Living things and their habitats</u> Living, dead, habitat, micro-habitat energy, food chain, prey, predator woodland, pond, desert, habitat, animals, herbivores, carnivores, omnivores, living things and animal body parts</p>	<p><u>Rocks & soils</u> Sandstone, limestone, granite, marble, pumice, slate, crystals, properties, permeable / impermeable, hardness, sedimentary, igneous, metamorphic, organic matter, humus rock, stone, particle, properties, soil, clay, organic</p>	<p><u>States of matter</u> Solid, liquid, gas, temperature, heating, freezing point, boiling point, particles, evaporation, condensation, Thermometer, thermal insulation runny, viscous, cooling, solidify, heating, states of matter,</p>	<p><u>Properties & changes of materials</u> Hardness, solubility, mixing, dissolving, melting, Solution, solute, transparency, conductivity, magnetic, filter, filtration, evaporation, condensation, reacting / reactants</p>	<p><u>Evolution & Inheritance</u> Fossils, adaptation, evolution, characteristics, reproduction, genetics variation, environment, inheritance, selective breeding, generation, survival, natural selection, evolution, extinct</p>

translucent (see something through), stretch, stretchy, elastic, bendy, squash, twist, shape, waterproof, absorb, absorbent, freeze, melt		material, weathering, trilobite, starfish, sea urchin, ammonite, fossil, fossilise, remains	change of state, melting point, freezing point, steam	, separate, mixture, sieve, filter, reversible, non-reversible, purify, carbon dioxide, oxidise, oxygen, corrode, iron, steel, fuel, heat, burn, flammable	
Seasonal changes Summer, Spring, Autumn, Winter, Season, Sun, day, Moon, Night, light, dark Seasons frost, wet, dry, sunny, cloudy, showery, stormy, windy, rainy, snow, shower, sleet, fog, hat, gloves, mittens, scarf, boots, coat, umbrella, wellies, sunglasses	Materials & their uses As y1 plus: waterproof, lenses, light, block, strength, strong, weak, tear, flexible	Light Light, dark, shadows, blocking, mirror, reflect, reflective, reflection, bright, dim, eye, ultraviolet, ray, beam, absorb, luminous, non-luminous, infrared,	Sound Volume, vibration, sound wave, loud, soft, high pitch, low pitch, tone, speaker, (amplitude, frequency) sound, pluck, fainter, distance	Earth & Space Earth, sea, sun, moon, axis, planets, solar system, star, constellation, Phases of the moon, waxing, waning, gibbous moon, full moon axis, crescent, equinox, galaxy, hemisphere, horizon, orbit, solstice, tilt	Light Reflection, refraction, lens, light spectrum, colour ,prism, rainbow, reflect, ultra violet, ray, beam, refraction, periscope, spectrum, dispersion, inverted, medium,
		Forces & Magnets Force, push, pull, contact, magnetic, attract, repel, poles (north / south) Friction, resistance air, turns	Electricity Cells (batteries) wires, switches, circuit, series (parallel, buzzers, bulbs, Mains electricity insulators, conductors power, solar, cell, wire, bulb, bulb holder, motor, component, flow, break, connect, disconnect, terminal, positive, negative, filament,	Forces Force, friction, Newton, gravity, newtonmeters, air resistance, water resistance, Gears, pulleys, levers Aristotle, fulcrum, gravity, Galileo, mechanisms, Newton, Newton meter, pivot	Electricity Cells, batteries, wires, bulbs, switches, buzzers, circuit, series/ parallel, conductors, insulators, amps, volts cell, battery, lamp, wire, buzzer, motor, resistance, resistor, current, symbols, generator, nuclear, power stations, wind turbine, tidal flow, hydro-electric, grid, pylon, transmission, transformer, solar panels
Working scientifically question, investigation, fair test, change, measure, predict, prediction, explanation, observations, draw conclusions					