



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Animals including Humans	<ul style="list-style-type: none"> <li>Names of animal groups: fish, amphibians, reptiles, birds, mammals.</li> <li>Animal diets: carnivore, herbivore, omnivore.</li> <li>Human and animal body parts: e.g. body, head, neck, arms, elbows, legs, knees, face, ears, eyes, nose, hair, mouth, teeth, hands, feet, tail, wings, feathers, fur, beak, fins, gills.</li> <li>Human senses: sight, hearing, touch, smell, taste.</li> <li>Exploring senses: loud, quiet, soft, rough.</li> <li>Other: human, animal, pet.</li> </ul>	<ul style="list-style-type: none"> <li>Being born and growing: Young, offspring, live young, grow, develop, change, hatch, lay, fly, crawl, talk.</li> <li>Young and adult names: e.g. lamb and sheep, kitten and cat, duckling and duck.</li> <li>Life cycle stages: e.g. baby, toddler, child, teenager, adult; frogspawn, tadpole, froglet, frog.</li> <li>Survival and staying healthy: basic needs, survive, food, air, exercise, diet, nutrition, healthy, balanced diet, hygiene, germs.</li> <li>Food groups: fruit and vegetables, proteins, dairy and alternatives, carbohydrates, oil and spreads, fat, salt, sugar.</li> </ul> <p>Previously introduced vocabulary: water.</p>	<ul style="list-style-type: none"> <li>Food groups and nutrients: fibre, fats (saturated and unsaturated), vitamins, minerals.</li> <li>Skeletons and muscles: skeleton, muscles, tendons, joints, protection, support, organs, voluntary muscles, involuntary muscles, biceps, triceps, contract, relax, bone, cartilage, shell, vertebrate, invertebrate, endoskeleton, exoskeleton, hydrostatic skeleton.</li> <li>Names of human bones: e.g. skull, spine, backbone, vertebral column, ribcage, pelvis, clavicle, scapula, humerus, ulna, pelvis, radius, femur, tibia, fibula.</li> </ul> <p>Other: energy.</p> <p>Previously introduced vocabulary: movement.</p>	<ul style="list-style-type: none"> <li>Digestive system: digest, digestion, tongue, teeth, saliva, salivary glands, oesophagus, stomach, liver, pancreas, gall bladder, small intestine, duodenum, large intestine, rectum, anus, faeces, organ.</li> <li>Types of teeth and dental care: molar, premolar, incisor, canine, wisdom teeth, tooth decay, plaque, enamel, baby (milk) teeth.</li> <li>Food chains and animal diets: decomposer, food web.</li> </ul> <p>Previously introduced vocabulary: producer, consumer, prey, predator, excretion, habitat.</p>	<ul style="list-style-type: none"> <li>Process of reproduction: gestation, asexual reproduction, sexual reproduction, sperm, egg, cells, clone.</li> <li>Changes and life cycle: embryo, foetus, uterus, prenatal, adolescence, puberty, menstruation, adulthood, menopause, life expectancy, old age, hormones, sweat.</li> <li>Changing body parts: e.g. breasts, penis, larynx, ovaries, genitalia, pubic hair.</li> </ul> <p>Previously introduced vocabulary: reproduction, reproduce, types of animals and animal groups, fertilisation.</p>	<ul style="list-style-type: none"> <li>Circulatory system: circulation, heart, pulse, heartbeat, heart rate, lungs, breathing, blood vessels, blood, pump, transported, oxygenated blood, deoxygenated blood, oxygen, arteries, veins, capillaries, chambers, plasma, platelets, white blood cells, red blood cells.</li> <li>Lifestyle: drug, alcohol, smoking, disease, calorie, energy input, energy output.</li> <li>Other: water transportation, nutrient transportation, waste products.</li> </ul> <p>Previously introduced vocabulary: carbon dioxide.</p>	
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Plants	<ul style="list-style-type: none"> <li>Names of common plants: wild plant, garden plant, evergreen tree, deciduous tree, common flowering plant, weed, grass.</li> <li>Name some features of plants: e.g. flower, vegetable, fruit, berry, leaf/leaves, blossom, petal, stem, trunk, branch, root, seed, bulb, soil.</li> <li>Name some common types of plant e.g. sunflower, daffodil.</li> </ul>	<ul style="list-style-type: none"> <li>Growth of plants: germination, shoot, seed dispersal, grow, food store, life cycle, die, wilt, seedling, sapling.</li> <li>Needs of plants: sunlight, nutrition, light, healthy, space, air.</li> <li>Name different types of plant: e.g. bean plant, cactus.</li> <li>Names of different habitats: e.g. rainforest, desert.</li> </ul> <p>Previously introduced vocabulary: water, temperature, warm, hot, cold, habitat.</p>	<ul style="list-style-type: none"> <li>Water transportation: transport, evaporation, evaporate, nutrients, absorb, anchor.</li> <li>Life cycle of flowering plants: pollination (insect/wind), pollen, nectar, pollinator, seed formation, seed dispersal (animal/wind/water), reproduce, fertilisation, fertilise, stamen, anther, filament, carpel (pistil), stigma, style, ovary, ovule, sepal, carbon dioxide.</li> </ul> <p>Previously introduced vocabulary: life cycle</p>				

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
Living Things and their Habitats		<ul style="list-style-type: none"> <li>• <u>Living or dead</u>: living, dead, never living, not living, alive, never been alive, healthy.</li> <li>• <u>Habitats including microhabitats</u>: depend, shelter, safety, survive, suited, space, minibeast, air.</li> <li>• <u>Life processes</u>: movement, sensitivity, growth, reproduction, nutrition, excretion, respiration.</li> <li>• <u>Food chains</u>: food sources, food, producer, consumer, predator, prey.</li> <li>• <u>Names of habitats and microhabitats</u>: e.g. under leaves, woodland, rainforest, sea shore, ocean, urban, local habitat. Previously introduced vocabulary: senses, carnivore, herbivore, omnivore, seed, water, names of materials.</li> </ul>		<ul style="list-style-type: none"> <li>• <u>Living things</u>: organisms, specimen, species.</li> <li>• <u>Grouping living things</u>: classification, classification keys, classify, characteristics.</li> <li>• <u>Names of invertebrate animals</u>: snails and slugs, worms, spiders, insects.</li> <li>• <u>Invertebrate body parts</u>: e.g. wing case, abdomen, thorax, antenna, segments, mandible, proboscis, prolegs.</li> <li>• <u>Environmental changes</u>: environment, environmental dangers, adapt, natural changes, climate change, deforestation, pollution, urbanisation, invasive species, endangered species, extinct.</li> </ul> <p>Previously introduced vocabulary: carbon dioxide, fish, bird, mammal, amphibian, reptile, skeleton, bone, vertebrate, invertebrate, backbone, names for animal body parts, names of common plants, photosynthesis.</p>	<ul style="list-style-type: none"> <li>• <u>Reproduction</u>: asexual reproduction, sexual reproduction, gestation, metamorphosis, gametes, tuber, runners/side branches, plantlet, cuttings, embryo, adolescent, penis, vagina, egg, pregnancy, gestation.</li> </ul> <p>Previously introduced vocabulary: life cycle, pollination, offspring, fertilise, fertilisation, sepal, filament, anther, stamen, pollen, petal, stigma, style, ovary, carpel, ovule, stem, bulb, roots, mammal, adult, baby, sperm, cells, live young.</p>	<ul style="list-style-type: none"> <li>• <u>Classifying</u>: Carl Linnaeus, Linnaean system, flowering and non-flowering plants, variation.</li> <li>• <u>Microorganisms</u>: bacteria, single-celled, microbes, microscopic, virus, fungi, fungus, mould, antibiotic, yeast, ferment, microscope, decompose.</li> </ul>			
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
Evolution and Inheritance						<ul style="list-style-type: none"> <li>• <u>Evolution and inheritance</u>: evolve, adaptation, inherit, natural selection, adaptive traits, inherited traits, mutations, theory of evolution, ancestors, biological parent, chromosomes, genes, Charles Darwin.</li> <li>• <u>Other</u>: selective breeding, artificial selection, breed, cross breeding, genetically modified food, cloning, DNA.</li> </ul> <p>Previously introduced vocabulary: classification, offspring, characteristics, habitat, environment, adapt, variations, human, fossil, suited, cells, names of different habitats, names of animals and their body parts, species, sedimentary rock, lava, igneous rock, metamorphic rock, magma, heat, fossilisation</p>			
	Year 1				Year 2	Year 3	Year 4	Year 5	Year 6
Seasonal Changes	<ul style="list-style-type: none"> <li>• <u>Seasons</u>: spring, summer, autumn, winter, seasonal change.</li> <li>• <u>Weather</u>: e.g. sun, rain, snow, sleet, frost, ice, fog, cloud, hot/warm, cold, storm, wind, thunder, weather forecast.</li> <li>• <u>Measuring weather</u>: temperature, rainfall, wind direction, thermometer, rain gauge.</li> <li>• <u>Day length</u>: night, day, daylight.</li> </ul>								

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Forces			<ul style="list-style-type: none"> <li>• <u>How things move</u>: move, movement, surface, distance, strength.</li> <li>• <u>Types of forces</u>: push, pull, contact force, non-contact force, friction.</li> <li>• <u>Magnets</u>: magnetic, magnetic field, magnetic force, bar magnet, horseshoe magnet, ring magnet, magnetic poles (north pole, south pole), attract, repel, compass.</li> <li>• <u>Magnetic and non-magnetic materials</u>: e.g. iron, nickel, cobalt.</li> </ul> <p>Previously introduced vocabulary: metal, names of materials.</p>		<ul style="list-style-type: none"> <li>• <u>Types of forces</u>: air resistance, water resistance, buoyancy, upthrust, Earth's gravitational pull, gravity, opposing forces, driving force.</li> <li>• <u>Mechanisms</u>: levers, pulleys, gears/cogs.</li> <li>• <u>Measurements</u>: weight, mass, kilograms (kg), Newtons (N), scales, speed, fast, slow.</li> <li>• <u>Other</u>: streamlined, Earth.</li> </ul> <p>Previously introduced vocabulary: air, heat, moon.</p>	
Light			<ul style="list-style-type: none"> <li>• <u>Light and seeing</u>: dark, absence of light, light source, illuminate, visible, shadow, translucent, energy, block.</li> <li>• <u>Light sources</u>: e.g. candle, torch, fire, lantern, lightning.</li> <li>• <u>Reflective light</u>: reflect, reflection, surface, ray, scatter, reverse, beam, angle, mirror, moon.</li> <li>• <u>Sun safety</u>: dangerous, glare, damage, UV light, UV rating, sunglasses, direct.</li> </ul> <p>Previously introduced vocabulary: opaque, transparent, sunlight, sun.</p>			<ul style="list-style-type: none"> <li>• <u>Reflection</u>: periscope.</li> <li>• <u>Seeing light</u>: visible spectrum, prism.</li> <li>• <u>How light travels</u>: light waves, wavelength, straight line, refraction.</li> </ul> <p>Previously introduced vocabulary: names and properties of materials, absorb.</p>

	Year 1	Year 2	Year 3	Year 4		Year 5	Year 6
Sound				<ul style="list-style-type: none"> <li>• <u>Parts of the ear</u>: eardrum.</li> <li>• <u>Making sound</u>: vibration, vocal cords, particles.</li> <li>• <u>Measuring sound</u>: pitch, volume, amplitude, sound wave, quiet, loud, high, low, travel, distance.</li> <li>• <u>Other</u>: soundproof, absorb sound.</li> </ul>			
	Year 1	Year 2	Year 3	Year 4	Year 5		Year 6
Earth and Space				<ul style="list-style-type: none"> <li>• <u>Solar system</u>: star, planet.</li> <li>• <u>Names of planets</u>: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Neptune, Uranus.</li> <li>• <u>Shape</u>: spherical bodies, sphere.</li> <li>• <u>Movement</u>: rotate, axis, orbit, satellite.</li> <li>• <u>Theories</u>: geocentric model, heliocentric model, astronomer.</li> <li>• <u>Day length</u>: sunrise, sunset, midday, time zone.</li> </ul> <p>Previously introduced vocabulary: Sun, moon, shadow, day, night, heat, light, reflect.</p>			
	Year 1	Year 2	Year 3	Year 4		Year 5	Year 6
Electricity				<ul style="list-style-type: none"> <li>• <u>Electricity</u>: mains-powered, battery-powered, mains electricity, plug, appliances, devices.</li> <li>• <u>Circuits</u>: circuit, simple series circuit, complete circuit, incomplete circuit.</li> <li>• <u>Circuit parts</u>: bulb, cell, wire, buzzer, switch, motor, battery.</li> <li>• <u>Materials</u>: electrical conductor, electrical insulator.</li> <li>• <u>Other</u>: safety.</li> </ul> <p>Previously introduced vocabulary: names of materials.</p>			<ul style="list-style-type: none"> <li>• <u>Flow and measure of electricity</u>: voltage, amps, resistance, electrons, volts (V), current.</li> <li>• <u>Circuits</u>: symbol, circuit diagram, component, function, filament.</li> <li>• <u>Variations</u>: dimmer, brighter, louder, quieter.</li> <li>• <u>Types of electricity</u>: natural electricity, human-made electricity, solar panels, power station.</li> <li>• <u>Other</u>: positive, negative.</li> </ul>

