

# Science

## Vocabulary

|               | Animals Including Humans   | Plants  | Materials   | Seasonal Changes   | Forces, Earth and Space  | Sound, Light and Electricity  |
|---------------|--|---|---|--|--|---|
| <b>EYFS</b>   | head, eyes, nose, mouth, ears, hands, fingers, feet, toes, arm, leg, animal, herbivore, carnivore, omnivore, human, fish, bird.  | tree, leaf, flower, stem, seed, trunk, branch, petals, fruit, root, bulb.   | material, wood, glass, paper, hard, soft, metal, shiny, fabric, smooth, rough, plastic, rock.   | Summer, Spring, Autumn, Winter, season, sun, day, dark, light, night, Moon.  | Earth, Moon, star, Sun, planet, space, astronaut, rocket.  | loud, quiet, bright, dull, dark, volume, sound, on, off, switch, electrical safety. |
|               | Working Scientifically   | Animals Including Humans  | Plants  | Seasonal Changes   | Materials  |   |
| <b>Year 1</b> | experience, observe, changes, patterns, grouping, sorting, classifying, compare, identify, data, measure, record, equipment, questions, test, investigate, explore, magnifying glass / hand lens, same, different. | fish, amphibians, reptiles, birds, mammals, carnivores, herbivores, omnivores, human body, senses, sight, hearing, touch, smell, taste, habitat, local environment, pet wild animal, insect, minibeast, consume, head, neck, body, arms, legs, ears, eyes, nose, mouth, tongue, hands, feet, fingers, toes, elbows, knees, hair, teeth, grow, healthy, offspring, adults, young, water, air, survive, exercise, hygiene, egg, chick, chicken, caterpillar, pupa, moth, butterfly, tadpole, frog, frog spawn, lamb, sheep, calf, cow, foal, horse. | plants, wild plants, garden plants, evergreen, deciduous, flowering plants, flowers, vegetables, leaf/leaves, flower blossom, petal, stem, trunk, branch, root, seed, bulb, bud, growth, habitat, local environment, leaf, water, light, temperature, healthy growth, survive, soil, germinate, stages of growth. | seasons, seasonal change, spring, summer, autumn, winter, weather, sun, sunshine, rain, snow, sleet, ice, frost, fog, cloud, hot, cold, storm, sky, Earth, night, day.   | everyday materials, wood, paper, plastic, metal, glass, water, rock, brick, stone, fabric, material, foil, elastic, dough, rubber, card, cardboard, clay, object, make/made, hard/soft, shiny/dull, stretchy/stiff, rough/smooth, bendy/not bendy, waterproof/not waterproof, transparent/opaque, absorbent/not absorbent, squash, twist, bend, stretch. |   |
|               | Working Scientifically   | Animals Including Humans  | Plants  | Living Things and Their Habitats   | Materials  |   |
| <b>Year 2</b> | experience, observe, changes, patterns, grouping, sorting, classifying, compare, identify, data, measure, record, equipment, questions, test, investigate, explore, magnifying glass / hand lens, same, different. | fish, amphibians, reptiles, birds, mammals, carnivores, herbivores, omnivores, human body, senses, sight, hearing, touch, smell, taste, habitat, local environment, pet wild animal, insect, minibeast, consume, head, neck, body, arms, legs, ears, eyes, nose, mouth, tongue, hands, feet, fingers, toes, elbows, knees, hair, teeth, grow, healthy, offspring, adults, young, water, air, survive, exercise, hygiene, egg, chick, chicken, caterpillar, pupa, moth, butterfly, tadpole, frog, frog spawn, lamb, sheep, calf, cow, foal, horse. | plants, wild plants, garden plants, evergreen, deciduous, flowering plants, flowers, vegetables, leaf/leaves, flower blossom, petal, stem, trunk, branch, root, seed, bulb, bud, growth, habitat, local environment, leaf, water, light, temperature, healthy growth, survive, soil, germinate, stages of growth. | pond, garden, field, park, woodland, sea shore, river, ocean, forest, rainforest, stones, rocks, logs, leaf, litter, habitat, micro-habitat, living, dead, not living, alive, healthy, food, food chain, depend, source of food, shelter, grow, growth, healthy. | everyday materials, wood, paper, plastic, metal, glass, water, rock, brick, stone, fabric, material, foil, elastic, dough, rubber, card, cardboard, clay, object, make/made, hard/soft, shiny/dull, stretchy/stiff, rough/smooth, bendy/not bendy, waterproof/not waterproof, transparent/opaque, absorbent/not absorbent, squash, twist, bend, stretch. |   |

|               | Working Scientifically  | Animals Including Humans  | Plants   | Light  | Rocks and Soils   | Forces and Magnets  |
|---------------|---|---|--|--|---|---|
| <b>Year 3</b> | develop, enquiry, practical enquiry, fair test, comparative test, relationships, conclusion, accurate, thermometer, data logger, estimate, data, diagram, identification key, table, chart, bar chart, results, predictions, explanation, reason, similarity, difference, question, evidence, information, findings, criteria, values, properties, characteristics. | nutrition, diet, skeleton, muscle,s protection, support, movement, bones, skull, shell, digestive system, stomach, small intestine, large intestine, oesophagus, molar, premolar, incisor, canine saliva. | functions, nutrients, nutrition, air, transport (water), life cycle, pollination, seed formation, seed dispersal, reproduce, fertiliser. | light, dark (absence of light), reflect, shadow, opaque, translucent, transparent, mirror, reflective surface, light waves, visible light, infra red light, ultra violet light, prism, spectrum. | rock, soil, fossil, organic matter, grains, crystals, sedimentary rock, igneous rock, porous, erosion, hardness, chalk, boulder, peat, marble, granite, sandstone, slate, pebble, layers. | move, movement, surfaces, force,s push, pull, contact, distance, magnet, bar magnet, ring magnet, horseshoe magnet, attract, repel, poles (of magnets), magnetic materials. |

|               | Working Scientifically  | Animals Including Humans  | Sound  | Living Things and Their Habitats  | Electricity   | States of Matter   |
|---------------|---|---|--|---|---|--|
| <b>Year 4</b> | develop, enquiry, practical enquiry, fair test, comparative test, relationships, conclusion, accurate, thermometer, data logger, estimate, data, diagram, identification key, table, chart, bar chart, results, predictions, explanation, reason, similarity, difference, question, evidence, information, findings, criteria, values, properties, characteristics. | nutrition, diet, skeleton, muscles, protection, support, movement, bones, skull, shell, digestive system, stomach, small intestine, large intestine, oesophagus, molar, premolar, incisor, canine saliva. | sound, vibration, vibrate, pitch, volume, insulation, ear drum, source, travel, loud, quiet. | environment, non-flowering plants, ferns, mosses, flowering plants, grasses, vertebrate, fish, birds, mammals, amphibians, reptiles, invertebrate, snails, worms, slugs, spiders, insects ,human impact, litter, deforestation, population increase, nature reserves. | electricity, simple circuit, light bulb, cell, wire, buzzer, switch, motor, battery, series circuit, conductor, insulator, voltage, current, electrical safety, mains, plug, complete circuit, positive, negative, short circuit. | solid, liquid, gas, temperature, heat (heating), cool (cooling), water cycle, evaporation, condensation, precipitation, melting, freezing, atoms, bonds. |

|               | Working Scientifically  | Animals Including Humans  | Living things and their habitats   | Properties and Changes of Materials   | Earth and Space  | Forces  |
|---------------|---|---|--|---|--|---|
| <b>Year 5</b> | variables, independent variable, controlled variable, dependent variable, evidence, justify, accuracy, precision, scatter graphs, bar graphs, line graphs, argument (science), causal relationship, hypothesis, evaluation. | adolescent, adult, child, foetus, gestation, reproduction, life expectancy, puberty, menstruation, ovaries, uterus, fallopian tubes, ovulation, testes, penis, vagina, fetal growth, eggs, asexual reproduction, sexual reproduction. | life cycles, reproduction, life processes, sexual and asexual reproduction (plants), root cuttings, classification, keys, amphibian, reptile, mammal, insect, arachnid, invertebrate, vertebrate, exoskeleton, characteristics, stamen, stigma, ovary, carpel, style, filament, sepal, anther. | properties, hardness, solubility, transparency, electrical conductivity, thermal conductivity, electrical insulator, thermal insulator, magnetism, dissolve, evaporate, soluble, solute, solvent, solution, substance, separating, mixing, filtering, sieving, distillation, manual separation, reversible change, burning, rusting, chemical reactions, irreversible change. | solar system, planets, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Neptune, Uranus, Pluto, dwarf planet, moon, stars, celestial, spherical bodies, rotation, axis, orbit, satellite, gas giants, rocky planets, asteroid belt, comet, meteor, asteroid, galaxy, black hole, supernova, nebula, constellation, astronaut, the Sun, red dwarf, white dwarf, yellow dwarf, Sirius, Andromeda. | gravity, mass, air resistance, water resistance, friction, levers, pulleys, gears, springs, Newton meter, Isaac Newton, cam toys. |

|               | Working Scientifically  | Animals Including Humans   | Evolution and Inheritance  | Light  | Living Things and Their Habitats   | Electricity  |
|---------------|---|--|--|--|--|--|
| <b>Year 6</b> | variables, independent variable, controlled variable, dependent variable, evidence, justify, accuracy, precision, scatter graphs, bar graphs, line graphs, argument (science), causal relationship, hypothesis, evaluation. | circulatory system, heart, lungs, blood vessels, blood, atrium, ventricle, double pump, valves, aorta, pulmonary artery, pulmonary vein, artery, vein, capillary, vena cava, heart disease, lifestyle, disease, water transportation, nutrient transportation, oxygen, air, breathing, exercise, diet, drugs, addiction. | microorganisms, organisms, evolution, evolve, adaptation, variation, inherit, inheritance, characteristics, Darwin, natural selection, traits, extinction, homosapien, palaeontologist, Mary Anning, offspring, species, fertile, infertile, reproduction, relation. | light sources, periscope, retina, cornea, lens, sclera, pupil, iris, ciliary muscles, optic nerve, light waves, shadow, prism, light spectrum, ultraviolet light, infra red light, absorption, rods, cones, convex, concave. | classification, keys, amphibian, reptile, mammal, insect, arachnid, invertebrate, vertebrate, exoskeleton, characteristics, taxonomist, bacteria, microorganism, fungi, microscope, species, class, domain, kingdom, order, family, genus, Carl Linneus. | parallell circuit, series circuit, simple circuit, symbol, cell, battery, current, voltage, resistance, electrons, switch, buzzer, lamp, wire, motor, components, circuit diagram, electrical conductivity, electrical insulation, electrocution, electrical safety. |