*Previously taught vocabulary*

|  | What makes me special? | What happens when I fall asleep? | What happens in Winter? | How does your garden grow? | Where does our food come from? | What can you see under the sea? |
| --- | --- | --- | --- | --- | --- | --- |
| EYFS | baby, child, grown-up, old, young, body part, eyes, nose, mouth, legs, arms, change, grow | Autumn, seasonal change, animal, nocturnal, sleep, hibernate, hibernation, nighttime, daytime | Winter, *seasonal change*, weather, adapt, *animal,* cold, snow, ice, polar, frozen, temperature, snowflakes, frosty | life cycle, living, *animal*, plant, flower, stem, root, leaf, grow, sunlight | healthy, unhealthy, milk, cow, butter, material, change, farm, farm animal, balanced, diet | sea, ocean, jellyfish, fish, octopus, rock pool, habitat, water |
| Working Scientifically | look closely, observe, watch, touch, feel, smell, listen, same, different, compare, ask questions, record, sort, group | | | | | |

|  | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| --- | --- | --- | --- | --- | --- | --- |
| Topic Area: Plants | *plant, flower*, tree, *roots*, trunk, branches, leaves, evergreen, deciduous, *stem*, common, wildflower, seeds | *plant, seed, root,* shoot, bulb, *flower* bud, *healthy*, *temperature*, botanist, *unhealthy*, wilt, water, survive, warmth, suitable, light, shade | *plants,* conditions, requirements, *leaf*, function, carbon dioxide, photosynthesis, *roots,* absorb, nutrients, soil, anchor, *stem,* transport, *flower*, *life cycle*, reproduce, pollination, petals, stamen, anther, stigma, ovary, pollen, pollinator, fertilisation, seed dispersal, seed formation |  |  |  |
| Topic Area: Animals including humans | *animals*, familiar, pets, wild animal, mammal, hair, *milk*, live young, bird, reptile, eggs, scales, *fish*, amphibian, gills, *body parts*, structure, carnivore, omnivore, herbivore, *plant, living*, feature, human, human body, senses, sight, touch, tongue, skin, smell, sound, taste | *animal, young,* offspring, parent, adult, *grow*, *life cycle*, survive, basic needs, *healthy,* hygiene, germs, prevent, hand-washing, teeth, plaque, gums, decay, exercise, heart rate, muscles, lungs, fat, *unhealthy*, amount, portion | skeleton, bones, x-ray, support, protection, organs, skull, rib cage, spine, *adult*, endoskeleton, vertebrate, invertebrate, exoskeleton, fluid, *muscle*, movement, direction, joint, *basic needs,* food, *wild*, captivity, *habitat*, nutrient, vitamin, carbohydrate, protein, calcium, dietician, nutrition, nutritional information, calorie, *diet*, allergy, alternative, balance | *teeth,* incisor, canine, molar,digestive system, function, *omnivore*, digestion, saliva, oesophagus, stomach acid, diet, *carnivore, herbivore,* intestine, *nutrients*, rectum, faeces, anus  *animals, basic needs, plants,* depend, *food chain*, *absorb*, *photosynthesis,* producer, consumer, prey, predator | human, *mammal*, womb, develop, baby, toddler, child, childhood, adolescence, adolescent, puberty, reproduce, *adult*, adulthood, elder, elderly, growth rate, average | diet, impact, *nutrients*, beneficial, *heart rate*, oxygen, artery, *exercise*, circulation, recovery time, *pulse*, *muscle*, heart health, aerobic, fitness, illegal, addictive, prescribed, nicotine, drug, *lungs*, alcohol  organ, *function*, *heart*, blood, nutrients, *carbon dioxide*, blood vessels, arteries, veins, oxygenated, deoxygenated, *digest*, *intestine*, bloodstream, circulatory system, transplant |
| Topic Area: Materials and chemicals  Everyday Materials    States of matter  Properties and changes in materials | object, *material*, wood, plastic, metal, recycle, properties, feel, suitable, waterproof, transparent, opaque, light, electricity, electrical appliance, absorb | *object, material,* properties, *suitable*, unsuitable, absorbent, stretchy, length, squash, bend, twist, stretch, *transparent*, translucent, *opaque*, *light*, circuit, *electricity*, conductivity |  | states of matter, solid, liquid, gas, properties, state, heat, melt, freeze, melting *temperature*, degrees celsius, water vapour, evaporation, water cycle, condensation, precipitation | *material, physical properties, transparent,* *electrical conductor*, *magnetic, suitable,* thermal insulator, dissolve, *solid, liquid,* soluble, insoluble, separate, filter, sieve, solution, evaporate, *state*, change of state, reversible, mixture, burn, irreversible change |  |
| Topic Area: Space and Earth  Seasonal Changes  Earth and Space  Rocks, fossils and soils | *season, autumn*, *change,* *weather, temperature,* thermometer, deciduous, evergreen, *winter*, light, day length, *time*, spring, rain gauge, measure, summer, *flowers* |  | *material*, rock, earth, natural, quarry, hardness, permeability, permeable, impermeable, suitability, fossil, decay, sediment, pressure, imprint, soil, silt, organic matter, geologist |  | *Earth*, evidence, spherical, globe, horizon, sun, moon, crater, telescope, astronomer, rotate, axis, *shadow*, solar system, planets, orbits, *reflect*, satellite |  |
| Topic Area: Living things  Living things and their habitats  Evolution and Inheritance |  | *living*, alive, non-living, living thing, life processes, move, dead, never alive, *animals,* *habitat*, suitable, basic needs, *plant*, microhabitat, minibeast, threat, protect, wildlife-friendly, food, hunt, graze, food chain, role |  | common, observable characteristic, classification key, structure, zoologist, botanist, environment, *seasons*, migrate, *hibernate*, litter, marine life, pollution, microplastics, environmental issue, chemicals, impact, population, deforestation, *habitat* | *mammal, fish, reptile, amphibian, bird,* *life cycle*, larva, reproduce, metamorphosis, pupa, *offspring,* gestation period, reproduce, parent plant, clone, asexual, cutting, *anther, stigma, ovary, pollination*, germination, *fertilisation, seed dispersal* | *observable, characteristic,* *vertebrate, invertebrate,* flowering, non-flowering, *seeds*, spores, *living thing,* organism, micro-organism, microbe, microscope, bacteria, virus, fungi, taxonomy, mould, decompose  evidence, fossil record, *fossil,* theory, palaeontologist, *sedimentary rock, geologist, offspring,* similar, vary, identical, variation, generation, characteristic, inheritance, inherited characteristic, environmental characteristic, *habitat*, adaptation, *survive,* environment, predatory |
| Topic Area: Waves  Light  Sound |  |  | eye, light, dark, *see*, light source, human-made, natural, sun, protect, damage, ultraviolet, expose, *material,* *opaque*, *transparent, translucent,* shadow, *object,* distance | sounds, *objects*, vibrations, medium, soundwaves, *solid*, taut, loud, quiet, volume, decibels, absorb, sound insulator, pitch, frequency, high, low |  | *light, light source*, enter, pupil, reflect, surface, light ray, direction, angle, periscope, protractor, *shadow, opaque*, features |
| Topic Area: Energy  Forces and magnets  Electricity |  |  | surface, *rough, smooth*, force, push, pull, contact force, magnetic force, non-contact force, distance, poles, north-seeking, south-seeking, magnetic, attract, non-magnetic, metal, repel, opposite | *electricity, electrical appliance,* *circuit*, component, device, complete, incomplete, series, connectors, electrician, analyst, switch, control variable, *material*, conductor, insulator, minerals, *metal* | earth, *force, pull,* gravity, force meter, *push*, Newtons (N), *surface*, friction, air resistance, water resistance, lever, load, effort, pivot, pulley, gear, cogs, axle, clockwise | *circuit, component,* cell, battery, terminal, circuit symbol, circuit diagram, voltage, brightness, *switch*, control, *appliance*, *complete*, buzzer, *decibel* |
| Working Scientifically | observe, changes, patterns, grouping, sorting, compare, same, different, identify (name), measure, data, record results, drawing, picture, table, tally chart, present, pictogram, block chart, Venn diagram, ask questions, test, investigate, explore, equipment, resources, magnifying glass, hand lens, ruler, tape measure, metre stick, pipette, syringe, spoon, teaspoon, answer questions, interpret results, scientific enquiry, pattern seeking, comparative testing, observing over time, classifying, researching using secondary sources | | practical work, fair testing, relationships, accurate, thermometer, data logger, stopwatch, timer, estimate, data, diagram, identification key, chart, bar chart, prediction, similarity, difference, evidence, information, findings, criteria, values, properties, characteristics, conclusion, explanation, reason, evaluate, improve | | variables, independent variable, dependent variable, control variable, evidence, justify, argument (science), causal relationship, accuracy, precision, scatter graphs, bar graphs, line graphs, force meter | |