

## Science Curriculum Key Vocabulary

| Year 1 | <u>Me and my Body</u><br>(Healthy Eating)   | <u>Everyday materials</u>   | <u>Weather</u>   | <u>Animals</u>  | <u>Plants</u>   | <u>Planets</u>   |
|--------|---|---|--|---|---|--|
|        | <p>Head, body, eyes, ears, mouth, teeth, leg</p> <p>Keeping fit, healthy</p> <p>Names of fruit and vegetables</p> | <p>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>Weather (sunny, rainy, windy, snowy etc.)</p> <p>Seasons (winter, summer, spring, autumn)</p> <p>Sun, sunrise, sunset, day length</p> | <p>Fish, amphibians, reptiles, birds and mammals.</p> <p>Names of animals from each vertebrate group: carnivores, herbivores and omnivores.</p> <p>Head, body, eyes, ears, mouth, teeth, leg,</p> | <p>Leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud</p> <p>Names of trees in the local area</p> <p>Names of garden and wild flowering plants in the local area</p> | <p>Earth, mars, mercury, venus, Jupiter</p> <p>Planet, sun, moon, day, night</p> |

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|        |  |   |  | tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves  |  |
| Year 2 | <p><u>Materials</u></p> <p>Names of materials – wood, metal, plastic, glass, brick, rock, paper, cardboard</p> <p>Properties of materials – as for Year 1 plus opaque, transparent and translucent, reflective, non-reflective, flexible, rigid</p> <p>Shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching</p> | <p><u>Healthy Humans</u></p> <p>Health, balanced diet, exercise, hygiene, basic need, healthy</p> | <p><u>Living things and their habitats</u></p> <p>Living, dead, never been alive (rocks, metal, plastic), suited, suitable, basic needs, food, food chain, shelter, move, feed, seeds, leaves, twigs, shells, fur, hair, feathers.</p> <p>Names of local habitats e.g. pond, woodland etc.</p> <p>Names of micro-habitats e.g. under logs, in bushes, woodlands- leaf litter, on the bark of trees, dark, damp or dry micro-habitat.</p> | <p><u>Animals including humans</u></p> <p>Offspring, reproduction, growth, child, young/old stages (examples - chick/hen, baby/child/adult, caterpillar/butterfly), exercise, heartbeat, breathing, hygiene, germs, disease, food types (examples – meat, fish, vegetables, bread, rice, pasta)</p> | <p><u>Plants</u></p> <p>As for Year 1 plus light, shade, sun, warm, cool, water, grow, healthy</p> |

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| Year 3 | <u>Rocks and soils</u><br>Rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorb water, soil, fossil, marble, chalk, granite, sandstone, slate, soil, peat, sandy/chalk/clay soil              | <u>Forces and magnets</u><br>Force, push, pull, twist, contact force, non-contact force, magnetic force, magnet, strength, bar magnet, ring magnet, button magnet, horseshoe magnet, attract, repel, magnetic material, metal, iron, steel, poles, north pole, south pole                 | <u>Animals including Humans</u><br>Nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, support, protect, move, skull, ribs, spine, muscles, joints | <u>Light and dark</u><br>Light, light source, dark, absence of light, transparent, translucent, opaque, shiny, matt, surface, shadow, reflect, mirror, sunlight, dangerous | <u>Plants</u><br>Photosynthesis, pollen, insect/wind pollination, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal) |
| Year 4 | <u>Animals including Humans</u><br>Digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, nutrients, large intestine, rectum, anus, teeth, incisor, canine, molar, premolars, herbivore, | <u>Electricity</u><br>Electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, | <u>States of Matter</u><br>Solid, liquid, gas, state change, melting, freezing, melting point, boiling point, evaporation, temperature, water cycle, degrees Celsius, cooled, heated, condensation.                   | <u>Living things and their habitats</u><br>Classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate                 | <u>Sound</u><br>Sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, loud, insulation  |

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|--------|--|---|--|--|--|
|        | carnivore, omnivore, producer, predator, prey, food chain  | metal, non-metal, symbol  |  |  |  |
| Year 5 | <p><u>Forces</u></p> <p>Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears</p> | <p><u>Animals including humans</u></p> <p>Puberty – the vocabulary to describe sexual characteristics (see PSHE vocabulary)</p> | <p><u>Investigating materials</u></p> <p>Thermal/electrical insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve, reversible/non-reversible change, burning, rusting, new material</p> | <p><u>Earth and Space</u></p> <p>Earth, Sun, Moon, (Mercury, Jupiter, Saturn, Venus, Mars, Uranus, Neptune), spherical, solar system, rotates, star, orbit, planets, axis, gravitational pull.</p> | <p><u>Living things and their habitats</u></p> <p>Life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, bulbs, cuttings</p> |
| Year 6 | <p><u>Light</u></p> <p>As for Year 3 - Light, light source, dark, absence of light, transparent,</p>   | <p><u>Living things and their habitats (Classification)</u></p> <p>Vertebrates, fish, amphibians, reptiles, birds, mammals,</p> | <p><u>Evolution and inheritance</u></p> <p>Offspring, sexual reproduction, vary, characteristics,</p>  | <p><u>Animals including humans</u></p> <p>Heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients,</p>  | <p><u>Electricity</u></p> <p>Circuit, complete circuit, circuit diagram, circuit symbol, cell,</p>   |

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|  | translucent,<br>opaque, shiny,<br>matt, surface,<br>shadow, reflect,<br>mirror, sunlight,<br>dangerous, plus<br><b>straight lines,<br/>light rays</b> | invertebrates, insects,<br>spiders, snails,<br>worms, flowering,<br>non-flowering<br><br>Linnaean system | suited, adapted,<br>environment,<br>inherited, species,<br>fossils | water, muscles, cycle,<br>circulatory system, diet,<br>exercise, drugs, lifestyle<br><br>Deficiencies, energy,<br>function | battery, bulb,<br>buzzer, motor,<br>switch, voltage |
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