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| **Progression of Scientific Vocabulary (Taken from STEM, PLAN and ASE sources)**  |

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| **EYFS** | **Year 1 / Year 2** | **Year 3 / Year 4** | **Year 5 / Year 6** |
|  **Working Scientifically**  |
|  same, different, similar, change, guess, ask, answer, name, watch/observe, notice, explore, look for, answer, question |   **As for EYFS+**question, find out, observe, describe, predict, test, compare, sort, group, test, explore, similarities, differences, measure, length, height, weight, time, temperaturerecord, results, table, chart, pictograph, block graph, bar chart, venn diagram, equipment, ruler, meter ruler, pipette, beaker, syringe Children will becoming more familiar with types of enquiry: **pattern seeking, comparative, fair testing, secondary resources, research, identifying, classifying and grouping, observing over time**  | **As for KS1 +**identify, classify, accurate, inaccurate, prediction, mass/weight, time, temperature, tape measure, thermometer, data logger,bar chart, magnifying glass, secondary sources, links, patterns, present, evidence, keys, increase, decrease Children will starting to use vocabulary when talking about and recording their work of different types of enquiry: **pattern seeking, comparative, fair testing, secondary resources, research, identifying, classifying and grouping, observing over time** | **As for LKS2+** line graph, scatter graph, reliable, unreliable, variables, valid, explain, independent variable, dependent variable, controlled variableChildren are able to accurately name and discuss different types of enquiry: **pattern seeking, comparative, fair testing, secondary resources, research, identifying, classifying and grouping, observing over** |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Animals including Humans**  |
| **Names of common pets and farm animals** Cat, dog, guinea pig, cow, sheep, lamb, goat, pig, horse etc. **Basic body parts:**head, face, ears, hair, eyes, nose, mouth, teeth, body, arms, hands, fingers, legs, feet, toes, knees, shoulders **Hair and eye colours** – blonde, **Growth and change**Comparatives – taller, shorter, bigger, smallerBaby, child, teenager, adult, elderly, growHealthy, exercise, fruit, vegetable  | Fish, amphibian, reptile, bird, mammal, herbivore, carnivore, omnivore**Common names of Fish, amphibians, reptiles, birds, mammals including pets and those found in the local environment e.g.** robin, blackbird, squirrel, fox etc.**Common structure of animals including humans including :**cheek, chin, neck, thigh, shin, ankles, elbows, paws, fins, wings, tail, skin, scales, fur, feathersclaw, fin, beak, hoof**Senses** – touch, see, smell, taste, hear, fingers (skin), eyes, nose, earand tongue | **As for Year 1+**offspring, reproduction, survival, shelter, air, growth, child, young/old stages (examples - chick/hen), heartbeat, breathing, hygiene, germs, disease, food types(examples – meat, fish, vegetables, bread, rice, pasta) | **As for Year 2+**nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, protection, movement,feeding, balanced, diet, skeleton, skull, ribs, spine (backbone), joints, sockets, support, muscles, bones, vertebrateinvertebrates, shed, replace | **As for Year 3+**digestion, saliva, oesophagus, stomach, small intestine, large intestine, rectum, anus, Teeth - incisors, cut, slice, canines, grip, pierce, premolars, molars, crush, grind, dental Food chain, producers, predators, prey, herbivore, carnivore, omnivore. | **As for Year 4+**gestation, baby, child, teenager, adult, geriatric, puberty, develop, hormones, muscles, testicles, pubic hair, voice , acne, breasts, hips, period, ovulation | **As for Year 5+**blood, heart, heart rate, pumps, vessels, transported, circulation, circulatory system, oxygen, carbon dioxide, lungs, veins, arteries, cells, pulse rate, drugs, lifestyle |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Materials**  |
| material, natural, soft, hard, smooth, rough, shiny, bend, twist, change, push/pushing, pull/puling, twist/twisting, squash/squashing bend/bending, stretch/stretchingNames of some common materials – wood, plastic, glass, paper, rock metal, waterNames of common objects made from these materials e.g. door, building block, window, pencil sharpener, teddy etc | **As for EYFS+**object, properties, card, rubber, fur, brick, elastic, foil, fleece, cotton, wool, polyester, cotton wool, fabric, natural, man maderough, smooth, stretchy, stiff, shiny, dull, rough, smooth, flexible, waterproof, absorbent, non absorbent, magnetic, non magnetic, see through, non see throughbreaks/ tears  | **As for Year 1+**Identify, comparereflective, non reflective, opaque,transparent, translucent, strong/weakflexible, rigid,  | **ROCKS** rocks, granite, limestone, stone, pebble, boulder, grain, crystals, layers, marble, chalk, slate, , clay, sandstone, fossil, soil, sandy, peat, decay, compost, texture, | **As for Year 2/ 3+**solids, liquids, gases, change state, melt, freeze, heated, cooled, temperature, degrees, solidify, celsius, ice, water, boiling point, steam, water vapour, water cycle, evaporation, condensation, rate, precipitation, rain, rain fall, snow, sleet., molten  | **As for Year 4+**conduct, insulate, electrical, insulator, thermal, magnetic.solids, liquids, gases, mixture, dissolve, solution, soluble, insoluble, substance, separated, filtering, sieving, evaporating, reversible, irreversible, state, burning, oxygen, acid, bicarbonate of soda, carbon di oxide, burning, rusting |  |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Living Things and Habitats**  |
| insects, minibeasts, egg, butterfly, caterpillar, larva, chrysalis, pupa, cocoon, snails, slugs, worms, spiders, habitat ,alive, dead, animal,food, water, light, dark, dry, damp, wet, hot, cold, mud, grass, land, sea, nest |  | **As for EYFS+**living, dead, non-living,habitat, micro habitat, suited, food chain,field, hedgerow, pond, woodland, seashore, ocean, rainforest, arctic, desert, air, food, water, shelter, heat, warmth, sun |  | **As for Year 2+**classify, classification, key, vertebrates, fish, amphibians, reptiles, birds, mammals, invertebrates, insects, flowering plants, non-flowering plants, ferns, mosses, fungi, environment, adaption, human impact, positive, negative, ecological, ecosystem, nature reserves, parks, pollution, litter, deforestation, burrow, water, shelter, heat, warmth, sun, camouflage, migrate, hibernate | **As for Year 4+**life cycle, reproduction, asexual, sexual, sperm, egg, fertilises, animal, babies, young, grow, adult, larva, chrysalis, pupa, metamorphosis, head, abdomen, thorax, wings, fur, feathers, scales, plants, seeds, stem, root cuttings, tubers, bulbs, pollen, leaves, flowers, blossom, petals, fruit, roots, bulb, seed, plantlets, trunk, branches, stem, stigma, style, anther, ovary, ovule, seed formation, seed dispersal  | **As for Year 5+**micro-organisms, kingdom, species, fungus, arachnid  |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Plants**  |
| Grass, tree, plant, fruit, vegetable, grow, seed, flower, petal, root, leaves, blossom, evergreen | Wild plant, garden plant, leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem, bark, stalk, bud, grow,deciduous, evergreen, **Names of plants in their local environment for example** Grass, Clover, Daisy, Buttercup, Dandelion, Oak, Holly, Daffodil, Tulip etc. and plants they grow to eat such as lettuce, tomatoes, cucumber, radish, herb etc. | **As for year 1 +** light, shade, sun, warm, cool, water, grow, healthy, germinate, suitable temperature, soil, nutrients | **As for year 1, 2 +**stigma, anther, transport, shoot, seedling, compost, decay, die, moisture, ovary ovulePollen, pollination, seed formation, dispersal, wind dispersal,animal dispersal, water dispersal, reproduce, xylem, breath, fertiliser |  |  |  |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Sound**  |
| hear, ears, loud, quiet, soft, noise, sound, instrument  |  |  |  | sound, sources, vibrate, vibration, vibrating, travel, medium (solid, liquid, gas), ear, eardrum, instruments, pitch, tune, high, low, volume, pattern, loudness, loud, soft, quiet, insulation, sound proof, distance, fainter |  |  |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Evolution and Inheritance**  |
|  same, different, similar, change, parents, family  |  |  |  |  |  | fossils**,** evolution, evolve, inherit, inheritance, offspring, vary, variation, species, adapted, environment, climate, habitat, suited, sexual reproduction, characteristics  |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Forces**  |
| heavy, light, float, sink, water, up, down, push, pull, twist |  |  | force, contact, non-contactmove, surface, material, iron, steel, metal,magnet, magnetic, magnetic field, bar, horseshoe magnet, button magnet, ring magnet, strength, strong, weak, metal, coated, Attract, repel, poles, north, south, direction |  | **As for Year 3+**gravity, falling, friction, air resistance, water resistance, newton, force metre, drag, levers, pulleys, gears, mechanisms, Galileo |  |
| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Seasonal Change**  |
| autumn, spring, summer, winter, weather, snow,sun, cloud, wind, rain, hail, thunder, lightning grow, change,  | **As for EYFS +**days, months year,sunset, sunrise, day length, frost, sleet, light, dark, months of year,evergreen, deciduous  |  |  |  |  |  |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Electricity**  |
|  |  |  |  | electricity, electrical appliances, device, plug, mains, battery, television, computer, tablet, mobile phone, light, lamp, cooker, microwave, toaster, radio.component, bulb, buzzer, battery, positive, negative, cell, wire, motor, switch, open, closes, circuit, series, complete loop, connect/connections, crocodile clips, symbol, bright, brightness, currentelectrical insulator, plastic, fabric, electrical conductor, metals, water |  | **As for Year 4+**volume, volts, voltage, symbols, resistance, complete circuit, short circuit, circuit diagram, parallel**Note:**Children do not need to understand what voltage is but will use volts and voltage to describe different batteries. The words cells and batteries are now used interchangeably |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Light**  |
|  |  |  | light sources, Sun, dangerous, lamp, flame, torch, light bulb, see, eyes, light, dark, absence,day, night, light, dark, dim, sunrise, sunset, dusk, reflect, shiny, matt, reflection, reflected, mirror, shadows, size, shape, pattern, harmful, dangerous, damaging, visible,*transparent, translucent,opaque* (*builds on year 2 materials*) |  |  | **As for Year 3+**light rays, straight lines, periscope (possibly extend to include rainbows, colour, colour filters, water, refraction) |

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| **EYFS** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
|  **Earth and Space**  |
|  |  |  |  |  | dim, sunrise, sunset, dusk, Earth, moon, moons, reflect, sun, star, spherical, planet, rotation, Earth’s axis, spin, solar system, orbit, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune ( Pluto as a dwarf planet), shadow clock, sundials, astronomical clock |  |