Lodge Farm Primary School

**Science Progression of Vocabulary**

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| **Skill/Topic Area** | **EYFS** | **Y1** | **Y2** | **Y3** | **Y4** | **Y5** | **Y6** |
| Plants | Grow, big, small, quickly, slowly, flower, leaf, water, sun, roots, dirt, seed, planting | Leaves, trunk, branch, root, seed, bulb, flower, stem, wild, garden, deciduous, evergreen | Leaves, trunk, branch, root, seed, bulb, flower, stem, wild, garden, observe, grow, compare, record, temperature, predict, measure, diagram, germinate, warmth, sunlight. | Air, light, water, nutrients, soil, support, anther, filament, sepal, stigma, style, ovary, reproduction, pollination, dispersal, transportation, flower, energy, growth, seedling, carbon dioxide, oxygen, sugar, material, photosynthesis, chlorophyll |  |  |  |
| Animals (including humans) | Fish, bird, insect, cat, dog, animal, finger, eye, nose, mouth, ear, hear, see, smell | Amphibians, birds, fish, mammals, reptiles, carnivores, herbivore, omnivore, sight, hearing, touch, taste, smell, head, neck, ear, mouth, shoulder, hand, fingers, leg, foot, thumb, eye, nose, knee, toes, teeth, elbow | Adult, air, animals, baby, balanced diet, basic needs, child, exercise, food, growth, healthy, humans, hygiene, maturity, nutrition, offspring, reproduction, survival, teenager, toddler, unhealthy, water | Nutrients, nutrition, carbohydrates, protein, fats, vitamins, minerals, water, fibre, energy, calories, skeleton, bones, joints, ball and socket, hinge, endoskeleton, exoskeleton, hydrostatic skeleton, protection, movement, support, fracture, x-rays, muscles, contract, relax | Herbivore, Carnivore, Digestive system, tongue, mouth, teeth, oesophagus, stomach, gall bladder, small intestine, pancreas, large intestine, liver, tooth, canine, incisor, molar, premolar, producer, consumer | Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty, Hormone, Physical, Emotional, male, female, pregnancy, young, reproduction, hygiene | Oxygenated, Deoxygenated, Valve, Exercise, Respiration Circulatory system, heart, lungs, blood vessels, blood, artery, vein, pulmonary, capillary, digestive, transport, nutrients, water, oxygen, alcohol, drugs, tobacco |
| Evolution and Inheritance |  |  |  |  |  |  | Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics, DNA, Variation, Inherited, Environmental, Mutation, Competition, Extinction, Adaptive traits, Survival of the Fittest, Evidence, Natural selection |
| Living thing and their habitats | Leaf, outside, mud, branch, twig, flower, cold, warm, sea, desert, birds, chicks |  | Living, dead, never alive, habitats, micro-habitats, food, food chain, leaf litter, shelter, Arctic, woodland, ocean, rainforest, conditions, desert, damp, shade, hibernate |  | Environment, flowering, nonflowering, plants, animals, vertebrates, fish, amphibians, reptiles, mammals, invertebrate, human impact, nature reserves, deforestation, pesticide, endangered, extinct, safe, threatened, conservationist | Life cycle, reptiles, mammals, birds, fish, amphibians, insect, metamorphosis, flowering, non-flowering, asexual, sexual, reproduction, seed dispersal, germination, embryo, fertilisation, growth, environment, predators | Classification Characteristics Environment, plants, animals, vertebrates, invertebrates, fish, amphibians, reptiles, mammals, human impact, nature reserves, deforestation. classify, compare, bacteria, microorganism, fungi, bacteria, organism, exoskeleton |
| Electricity |  |  |  |  | Electricity, electric current, appliances, mains, crocodile clips, wires, bulb, battery cell, battery holder, motor, buzzer, switch, conductor, electrical insulator, component |  | Electricity, electric current, appliances, mains, crocodile clips, wires, bulb, battery cell, battery holder, motor, buzzer, switch, circuit, voltage, brightness, renewable energy, static electricity, protons, neutrons, electrons |
| Forces |  |  | Force, push, pull, surface, attract, repel, compass | Force, push, pull, friction, surface, magnet, magnetic, magnetic field, pole, north, south, attract, repel, compass |  | Air resistance, Water resistance, Friction, Gravity, Newton, Gears, Pulleys, force, push, pull, opposing, streamline, mechanism, lever, cog, machine |  |
| Earth and Space | Moon, stars, sun, planet, world, dark, Solar System, rocket, astronaut |  |  |  |  | Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the Moon, star, constellation, waxing, waning, crescent, gibbous. Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, planets, solar system, day, night, rotate, orbit, axis, spherical, geocentric, heliocentric |  |
| Energy | Spring, Summer, Autumn, Winter, cold, hot, wind, rain, sunny, snow | Seasons, Spring, Summer, Autumn, Winter, weather, windy, sunny, breeze, overcast, snow, rain, temperature, hot, cold, rainfall, daylight |  | Light source, dark, reflect, ray, bounce, visible, beam, sun, glare, travel, straight, opaque, shadow, block, transparent, translucent, natural, artificial | Amplitude, volume, quiet, loud, ear, pitch, high, low, particles, instruments, wave, vibrations, cochlea, stirrup, eardrum |  | Light source, dark, reflect, ray, mirror, bounce, visible, beam, sun, glare, travel, straight, opaque, shadow, block, refraction, scatter, iris, cornea, pupil, lens |
| Materials | Fast, slow, hard, soft, smooth, rough, feel, touch, big, small, sink, float | Hard, soft**,** shiny, dull, rough, smooth, bendy/not bendy, flexible, material, wood, plastic, glass, metal, water, rock, bricks, recycling, waterproof/not waterproof, absorbent, crumbly | Waterproof, fabric, rubber, cars, rock, paper, cardboard, wood, metal, plastic, glass, brick, twisting, squashing, bending, absorbs, flexibility, transparency, natural, manmade | Rocks, igneous, metamorphic, sedimentary, anthropic, permeable, hardness, core, crust, mantle, impermeable, fossil, Mary Anning, extinct, organic matter, top soil, sub soil, base rock | Solid, liquid, gas, particles, state, materials, properties, matter, melt, freeze, water, ice, temperature, process, condensation, evaporation, water vapour, energy, precipitation | Hardness, Solubility, Transparency, properties, Conductivity, Magnetic, Filter, Evaporation, Dissolving, Mixing Material, conductor, dissolve, insoluble, chemical, physical, irreversible, solution, reversible, separate, mixture, insulator, permeable, impermeable, flexible |  |