



## Science- Progression of Vocabulary

|   | Foundation 1<br>Foundation 2  | Year 1  | Year 2  | Year 3   | Year 4  | Year 5  | Year 6   |
|---|---|---|---|--|---|---|--|
| Plants<br>Y1, Y2, Y3                    | sun, day, moon, night,<br>light, dark   | Names of<br>common<br>plants,<br>deciduous,<br>evergreen<br>trees, leaves,<br>flowers<br>(blossom),<br>weed, grass,<br>petals, fruit,<br>roots, bulb,<br>seed | Germination,<br>shoot, seeds,<br>dispersal, bulbs,<br>plants, die, wilt,<br>seedling, sapling<br><br>water, light,<br>dark,<br>temperature,<br>growth, healthy,<br>space, air | Transport,<br>evaporation,<br>nutrients,<br>absorb<br><br>Pollination,<br>formation,<br>seed dispersal,<br>stamen, carpel<br>(pistil), sepal   |   |   |  |
| Animals<br>including<br>humans<br>Y1-Y6 | Body, head, neck, arms,<br>elbows, legs, knees, face,<br>ears, eyes, nose, hair,<br>mouth, teeth, hands, feet<br><br>Human, animal, pet | fish, reptiles,<br>mammals,<br>birds,<br>amphibian's<br>herbivore,<br>omnivore,<br>carnivore<br><br>wings, beak<br><br>adult, baby,<br>offspring              | survival, water,<br>air, food, diet,<br>nutrition,<br>exercise,<br>hygiene, germs<br><br>adult, baby,<br>young, offspring<br><br>kitten, calf,<br>puppy, exercise             | Vertebrate,<br>invertebrate,<br>endoskeleton,<br>exoskeleton<br>skeletons –<br>support,<br>protection,<br>skull, spine,<br>backbone,<br>vertebral<br>column,<br>ribcage, pelvis,<br>radius, femur,<br>tibia, fibula, | Human digestive<br>system: mouth,<br>tongue, moistens,<br>saliva, oesophagus,<br>transports, stomach,<br>acid, liver, pancreas<br>enzymes, small<br>intestine, large<br>intestine, rectum, anus,<br><br>Teeth: incisors,<br>canines, molars,<br>premolars | Mammal,<br>reproduction,<br>Gestation,<br>asexual<br>reproduction,<br>sexual<br>reproduction,<br>Embryo<br>Foetus<br>Uterus<br>Prenatal<br>Adolescence<br>Puberty<br>Menstruation | Diet, exercise,<br>healthy lifestyle,<br>smoking, drug,<br>alcohol, disease<br><br>protein,<br>carbohydrates,<br>fibre, vitamins,<br>minerals, fats,<br>saturated fats,<br>unsaturated fats,<br>calories, energy,<br>growth, repair.<br>Aerobic, |

|  |  |   |   |   |   |   |  |
|--|--|---|---|---|---|---|--|
|  |  | <p>kitten, calf, puppy, exercise</p> <p>living, dead</p> <p>Habitat, energy, food chain, predator, prey</p> <p>Survival, water, air, food, diet, hygiene, germs</p> <p>woodland, pond, desert, artic, rainforest</p> <p>Human, senses, hearing, sight, smell, taste, touch, survival, water, food, air</p> <p>loud, quiet, soft rough</p> | <p>life-cycle, baby, toddler, child, teenager, adult</p> <p>fruit, vegetables, proteins, dairy, alternatives, carbohydrates, oils, fat, salt, sugar</p> | <p>joint, muscles-movement, pull, contract relax tendons,</p> <p>Food chains, producer, predator, prey, herbivore, carnivore, omnivore, primary, secondary, tertiary.</p> <p>mammal, reproduction, insect, amphibian, reptile, bird, offspring flower – reproduction, pollination, fertilisation, seed formation, seed dispersal.</p> | <p>Carnivore herbivore omnivore brush floss</p>   | <p>Life expectancy insect, amphibian, reptile, bird, offspring flower – reproduction, pollination, fertilisation, seed formation, seed dispersal. Changing body parts: Breasts, penis, larynx, ovaries, genitalia, pubic hair</p> | <p>anaerobic, heart rate, pulse</p> <p>Heart, lungs, vein, artery, circulation, blood vessel, oxygenated, deoxygenated, chambers</p> |
| <p>Living things and their habitats<br/>Y2, Y4, Y5, Y6</p> |  |   | <p>same, different, living, dead, never living,</p> <p>habitat, shelters, depend, safety,</p>   |   | <p>Classification, characteristics, environment, plants, animals,</p> <p>vertebrate, invertebrates.</p> | <p>Reproduction: asexual, reproduction, sexual reproduction, gestation, metamorphosis,</p>  | <p>Micro-organism, fungi, bacteria<br/>Mould, antibiotic living things, habitats, classification, vertebrates,</p>                   |

|                                     |  |   |  |   |  |  |   |
|-------------------------------------|--|---|--|---|--|--|---|
|                                     |  |   | <p>animals, plants, explore, change water, sunlight, soil, grow lifecycle</p> <p>explore, change water, sunlight, soil, grow lifecycle</p>           |   | <p>invertebrates - snails, slugs, worms, spiders, insects, wing case, abdomen, thorax, antenna, segments, mandible, proboscis, prolegs</p> <p>vertebrates- fish, amphibians, reptiles, birds, mammals' plants – flowering plants, non-flowering plants, population, development, litter, deforestation</p> <p>Environment, climate, pollution, dangers, deforestation, global warming, urbanization Conservation Endangered species, extinct</p> | <p>gametes, tuber, runners, plantlet, penis, vagina, egg, pregnancy, gestation</p>   | <p>invertebrates, microorganisms, amphibians, reptiles, mammals, insects, birds, flowering, non-flowering plant, variation, Carl Linnaeus, key,</p> |
| <p>Materials Y1, Y2, Y3, Y4, Y5</p> | <p>same, different, hard, soft, rough, smooth wood, metal, plastic, glass, paper</p> | <p>wood, plastic, glass, paper, water, metal, rock hard, soft, bendy, rigid, rough, smooth, opaque, waterproof, not waterproof,</p> | <p>hard, soft, stretchy, stiff, rigid, shiny, dull, rough, smooth, bendy, waterproof, absorbent, brick, paper, fabrics, clay squashing, bending,</p> | <p>rocks igneous, sedimentary, metamorphic permeable, semi-permeable, durable magma, lava, molten rock,</p> | <p>solid, liquid, gas, air oxygen, carbon dioxide Powder, grain, granular, crystals Ice, water, steam, water vapour heated/ heating cooled/ cooling temperature, degrees, celsius melt, freeze, solidify, melting point, molten, boiling point</p>   | <p>transparency, conductivity, thermal insulator, thermal conductor, magnetic, filter, evaporation, dissolving, mixing, soluble, insoluble, solution</p> |   |

|                  |                                |   |  |  |  |  |  |
|------------------|--------------------------------|---|--|--|--|--|--|
|                  |                                | absorbent, not absorbent  | twisting, stretching<br>recycle, pollution | sediment erosion, fossilisation, layers, bone, fossil<br><br>stone, pebble, boulder, soil, grains, crystals, hard/soft, texture, absorb, water, marble, chalk, granite, sandstone, slate sandy, soil, clay soil, chalky soil, peat |  |  |  |
| Seasonal Changes | Summer, Spring, Autumn, Winter | Weather<br>Sun, rain, snow, sleet, frost, ice, fog, cloud, hot/warm, cold, storm, wind, thunder, weather forecast<br><br>Temperature, rainfall, wind, direction, thermometer, rain gauge, |  |  |  |  |  |

|                       |  |                      |  |   |   |  |  |
|-----------------------|--|----------------------|--|---|---|--|--|
|                       |  | Night, day, daylight |  |   |   |  |  |
| Forces,<br>Y3, Y5     |  |                      |  | Force, push, pull, open, magnet, magnetic, attract, repel, magnetic poles, north, south, metal, iron, steel. Contact force, non-contact force<br>Pulley, lift<br>Air resistance, water resistance, buoyancy, friction, gravity, Newton, newtons, weight, mass, gears, pulleys, levers |   | Air resistance, water resistance, buoyancy, up thrust, gravitational pull, gravity, opposing forces<br><br>Earth and Space<br>Earth, Sun, Moon, axis, rotation, day, night, phases of the Moon, star, constellation, planets |  |
| Electricity<br>Y4, Y6 |  |                      |  |   | Electric<br>Mains powered, battery-powered, mains electricity, plug, appliances, devices<br><br>Circuits, simple series circuit, incomplete circuit |  | Voltage, amps, electrons, resistance, volts, current,<br><br>Symbol, circuit, diagram, component, function, filament<br><br>Dimmer, brighter, louder, quiet, |

|                 |  |  |  |   |   |  |   |
|-----------------|--|--|--|---|---|--|---|
|                 |  |  |  |   | <p>Bulb, wire, cell, buzzer, motor, switch, battery, danger</p> <p>Electrical safety, sign, insulators, wood, rubber, plastic, glass, conductors, metal, water, switch, open, closed, components, plug, motor, mains.</p> |  | <p>Natural electricity, human-made electricity, solar panels, power station, Positive, negative</p> <p><u>Light</u><br/>Light, refraction, reflection, light, spectrum, rainbow, colour</p> |
| Light<br>Y3, Y6 |  |  |  | <p><u>Light and Shadows</u><br/>Light, see, dark, absence of light<br/>Visible, shadow, energy block, reflect, reflective surface, ray, beam, single, natural, star, Sun, Moon, artificial, torch, candle, lamp, translucent, transparent, opaque, shadow.<br/>Sun safety</p> |   |  | <p>Reflection, periscope, visible, spectrum, prism, light waves, wavelength, straight line, refraction</p>  |
| Sound<br>Y4     |  |  |  |   | <p>Era, eardrum, vibration, vocal chords, particles,</p>  |  |   |

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  | <p>Pitch, volume, amplitude, sound wave, soundproof</p> <p>Sound, sound source, noise, vibrate, travel, solid, liquid, gas, pitch, tune, high, low, volume, loud, quiet, fainter, muffle, vibrations, insulation, instrument, percussion, strings, brass, woodwind, tuned instrument</p> |  |  |
| <p>Earth and Space</p> <p>Y5</p>           |  |  |  |  |  | <p>Star, planet, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Neptune, Uranus,</p> <p>Spherical bodies, sphere,</p> <p>Rotate, axis, satellite, orbit,</p> <p>Geocentric model, heliocentric model, astronomer,</p> |  |
| <p>Evolution and inheritance</p> <p>Y6</p> |  |  |  |  |  |  | <p>Evolution, evolve, Natural selection, adaptive traits, Charles Darwin</p> |

|  |  |  |  |  |  |  |   |
|--|--|--|--|--|--|--|---|
|  |  |  |  |  |  |  | inheritance,<br>fossils,<br>adaptation,<br>characteristics,<br>reproduction,<br>genetics.<br>Offspring,<br>adapions |
|--|--|--|--|--|--|--|---|