

## Vocabulary Progression

<u>Question and plan:</u>			
Y3	Y4	Y5	Y6
fair test, describe, keys, , plan, variables, develop, knowledge, explain why it is fair,	classification/ classify, plan, variables, aim, scientific questions	identify, explanation, classify, method, scientific language	identify, explanation, classify, scientific explanations

<u>Predict and investigate:</u>			
Y3	Y4	Y5	Y6
tables, record data, scientific diagrams, measurements, predictions, equipment, prediction, careful	evidence, accuracy/accurate, repeat readings, observe, similarities and differences,	precision, systematic, support (linked to predictions),	precision, support (linked to predictions), systematic,

<u>Result and conclude:</u>			
Y3	Y4	Y5	Y6
describe, keys, tables, record data, scientific diagrams, measurements, labels, evaluation, observations, compare two things,	report and present, further comparative, conclusions, standard units,	report, present, conclusions, explanations, degree of trust, identify, graph, bar graph, patterns	scatter, line graph, causal relationships, degree of trust, causal relationships, written display, refute ideas or arguments, further comparative, quantitative, graph, bar graph, patterns,

Topic Specific Vocabulary

Year 3:				
Animals Including Humans	Rocks	Forces and Magnets	Plants, Living Things and Their Habitats.	Light
<p>nutrition, nutrients, dietary fibre, balanced diet, carbohydrate, protein, vitamins, minerals, fat, skeleton, muscles, support, protection, movement, brain, blood vessels, heart, skull, ribs, spine, backbone, joints, sockets, bones, tendons.</p>	<p>rock, stone, pebble, boulder, absorb water, let water through, soil, fossil, grains, crystals, layers, texture, molten, magma, Plus names of rock types.</p>	<p>force, pull, push, open, surface, magnet, magnetic, attract, repel, magnetic poles, North, South, friction.</p>	<p>Living, Dead, Never alive, Habitats, Micro-habitats, Food Food-chain, Sun - grass - cow - human, Alive, Healthy, Logs, leaf, litter, Shelter, Sea shore, Woodland, Ocean, Rainforest, Conditions, hot/ warm/ cold, Dry/ damp/ wet, Bright / shade / dark,</p>	<p>light, see, reflect, shadow, dark, surface, natural, star, sun, moon, shadow, blocked, solid, artificial, torch, candle, lamp, sunlight, dangerous, protect, eyes, light sources, source, shine.</p>

Year 4:

<u>Animals Including Humans</u>	<u>States of Matter</u>	<u>Electricity.</u>	<u>Plants, Living Things and Their Habitats.</u>	<u>Sound:</u>
<p>digestive system, digestion, saliva, oesophagus, stomach, large/small intestine, absorb, blood stream, chewing, swallowing, rectum, anus, faeces, consumer, predator, prey, producers, canines, incisors, molars, pre-molars, cavities, dentine, plaque, pulp cavity, fluoride, tooth decay, gums, nerves, enamel.</p>	<p>air, oxygen, powder, granular, changes state, gaseous, particles, water vapour, water cycle, heating, cooling, degrees, celsius, melt, freeze, boil, evaporate, condensation, energy, transfer</p>	<p>electricity, appliances, electrical circuits, cell, wire, bulb, buzzer, danger, electrical safety sign, insulators, wood, rubber, plastic, glass, conductors, metal, water, switch, open, closed.</p>	<p>Environment, flowering, non-flowering, plants, animals, vertebrates, invertebrates, environment, dangers, fish, Amphibians, reptiles, birds, mammals, plants (including flowering plants, and grasses), non-flowering (including mosses and ferns), Human impact - positive, nature reserves, ecologically planned parks, garden ponds and negative, population, development, litter, deforestation.</p>	<p>vibrate, vibration, vibrating, air, medium, ear, hear, sound, volume, pitch, faint, fainter, loud, louder, insulator, (string, percussion, woodwind, brass), strength of vibrations Reflection of sound, source, noise, sound wave, tune, echo, tuning fork, insulation, percussion, instrument, travel, tune</p>

Year 5

<u>Animals Including Humans</u>	<u>Properties and Changes of Materials</u>	<u>Earth and Space</u>	<u>Forces</u>
<p>human, development, baby, toddler, child, teenager, adult, puberty, gestation, length, mass, grows, grow, growing, birth, fertilisation, menstrual cycle, puberty, embryo, ovary, placenta, penis, testes, vagina, uterus, chromosomes, ovum, zygote, fallopian tubes, gestation, hormones,</p>	<p>electrical conductor, thermal conductor, response to magnets, dissolve, solution, separating, solids, liquids, gases, evaporation, reversible changes, dissolving, mixing, evaporation, filtering, sieving, melting, irreversible, new material, burning, rusting, magnetism, electricity, chemists: Spencer Silver and Ruth Benerito. Quantitative measurements, conductivity, insulation, chemical, solubility, new material, buoyancy, suspension, mixture filtering, sieving, reversible change, irreversible change, hard to reverse, combustion, oxidisation, chemical reaction, residue, filtrate,</p>	<p>Earth, planets, Sun, solar system, moon, celestial body, sphere/spherical, rotate/rotation, spin, night/day, (planet names), dwarf planet, orbit, revolve, geocentric model, heliocentric model, shadow clocks, sundials, astronomical clocks, axis / axes, night / day, Mercury, Mars, Neptune, Venus, Jupiter, Saturn, Pluto, Uranus, time zones, orbit, elliptical orbit, revolve, shadow clocks, sundials, asteroids, comets, galaxy, meteors, light years, Geocentric model, Heliocentric model</p>	<p>Drag forces, transference of force and motion, levers, pulleys, gears, springs, mechanisms, air resistance, water resistance, fall, gravity, force, friction, moving surfaces, mechanisms, lever, pulleys, gears, magnetic force, magnet, attract.</p>

Year 6

<u>Animals Including Humans</u>	<u>Evolution</u>	<u>Light</u>	<u>Electricity</u>
<p>internal organs, heart, lungs, liver, kidney, brain, skeleton, muscle, muscular, digest, digestion, digestive, circulatory system, blood vessels, blood, impact, diet, exercise, drugs, lifestyle, nutrients, water, damage, drugs, alcohol, substances, capillaries, arteries, veins, red blood cells, white blood cells, Oxygen, Carbon dioxide, lungs, air sacs, ventricles, Aorta, windpipe, diaphragm, Bronchi, Pulmonary vein / artery, lifestyle, drugs, diet, heart rate, clotting, Plasma, gaseous exchange, Oxygenated / deoxygenated, respiratory system, aerobic respiration, Trachea, Haemoglobin, Bronchioles, Alveol</p>	<p>living things, change, fossils, offspring, vary, not identical, characteristics, variation, adapt, environment, extreme, conditions, advantages Vs disadvantages, evolution, adaptation, inherit, inheritance, genes, DNA, Chromosomes, evolutionary change, features, inherit, inheritance, natural selection, reproduction, competition, environmental variations, survival of the fittest, dominance, recessive</p> <p>Charles Darwin, Palaeontologists: Mary Anning,</p>	<p>Light, travels, straight, reflects, reflection, light source, object, shadows, mirrors, periscope, rainbow, filters, spectrum, light ray, light beam, direction, scatter, absorb, convex mirror, concave mirror, shiny, dull, angle, angle of incident , angle of reflection, opaque, transparent, translucent, reflective materials, absorption, transmission, lenses, optics, prism, rainbow, refraction,</p>	<p>voltage, brightness, volume, series, parallel, circuit diagram, recognised symbols, working safely with electricity. (Recap lower vocabulary) switches, danger, circuit, electrical safety, sign, switch, bulb, buzzer, motor, electrical safety, terminal, voltage, volume, current, resistance, circuit diagrams,</p>