



# St Paul's CE VC Junior School – Vocabulary Progression Map

## Subject: Science

Year 3	Year 4	Year 5	Year 6
<b>Animals, including humans</b>			
nutrition, nutrients, carbohydrates, sugars, protein, vitamins, minerals, fibre, fat, water, skeleton, bones, muscles, joints, support, protect, move, skull, ribs, spine	digestive system, digestion, mouth, teeth, saliva, oesophagus, stomach, small intestine, large intestine, rectum, anus, incisor, canine, molar, premolar, herbivore, carnivore, omnivore, producer, predator, prey	puberty, the vocabulary to describe sexual characteristics as per RSE policy  life cycle, foetus, baby, toddler, child, adolescent, adult, reproduce, sexual, sperm, fertilises, egg, live young (Y5 - Living things and their habitats)	heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, cycle, circulatory system, diet, drugs, lifestyle
<b>Electricity</b>			
	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, metal, non-metal, symbol		circuit diagram, circuit symbol, voltage
<b>Evolution and inheritance</b>			
photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (e.g. wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil (Y3 -Plants)	environment, habitat, human impact, positive, negative, migrate, hibernate (Y4 -Living things and their habitats)  herbivore, carnivore, omnivore, producer, predator, prey (Y4 -Animals, including humans)	life cycle, reproduce, sexual, fertilises, asexual, plantlets, runners, tubers, cuttings (Y5 -Living things and their habitats)	offspring, sexual reproduction, vary, characteristics, adapted, inherited, species, evolve, evolution

soil, fossil, bone, flesh, minerals (Y3 - Rocks)			
<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>
<b>Forces</b>			
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		force, gravity, Earth, air resistance, water resistance, friction, mechanisms, simple machines, levers, pulleys, gears	
<b>Light</b>			
light, light source, dark, absence of light, surface, shadow, reflect, mirror, Sun, sunlight, dangerous			straight lines, light rays
<b>Living things and their habitats</b>			
photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (e.g. wind dispersal, animal dispersal, water dispersal), air, nutrients, minerals, soil, absorb, transport	classification, classification keys, environment, habitat, human impact, positive, negative, migrate, hibernate  herbivore, carnivore, omnivore, producer, predator, prey (Y4 -Animals, including humans)	life cycle, reproduce, sexual, sperm, fertilises, egg, live young, metamorphosis, asexual, plantlets, runners, cuttings	vertebrates, fish, amphibians, reptiles, birds, mammals, warm-blooded, cold-blooded, invertebrates, insects, spiders, snails, worms, flowering, non-flowering, mosses, ferns, conifers
<b>Materials</b>			
rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorbs water, fossil, bone, flesh, minerals, marble, chalk, granite, sandstone, slate, types of soil (e.g. peaty, sandy, chalky, clay)	solid, liquid, gas, heating, cooling, state change, melting, freezing, melting point, boiling, boiling point, evaporation, condensation, temperature, water cycle	thermal insulator/conductor, change of state, mixture, dissolve, solution, soluble, insoluble, filter, sieve, reversible/non-reversible change, burning, rusting, new material	

(Y3 -Rocks) magnetic force, magnet, attract, magnetic material, metal, iron, steel (Y3 -Forces and magnets)	electrical conductor, electrical insulator, metal, non-metal (Y4 -Electricity)		
<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Year 6</b>
<b>Plants</b>			
photosynthesis, pollen, insect/wind pollination, male, female, seed formation, seed dispersal (wind dispersal, animal dispersal, water dispersal),air, nutrients, minerals, soil, absorb, transport	classification, classification keys (Y4 -Living things and their habitats)	life cycle, reproduce, sexual, fertilises, asexual, plantlets, runners, tubers, cuttings (Y5 -Living things and their habitats)	flowering, non-flowering, mosses, ferns, conifers (Y6 -Living things and their habitats)
<b>Rocks</b>			
rock, stone, pebble, boulder, grain, crystals, layers, hard, soft, texture, absorbs water, fossil, bone, flesh, minerals, marble, chalk, granite, sandstone, slate, types of soil (e.g. peaty, sandy, chalky, clay)			evolution
<b>Sound</b>			
	sound, source, vibrate, vibration, travel, pitch (high, low), volume, faint, quiet, loud, insulation		
<b>Working Scientifically</b>			
practical work, fair testing, relationships, accurate, thermometer, data logger, stopwatch, timer, estimate, data, diagram, identification key, chart, bar chart, prediction, similarity, difference, evidence, information, findings, criteria, values, properties, characteristics, conclusion, explanation, reason, evaluate, improve		variables, independent variable, dependent variable, control variable, evidence, justify, argument (science), causal relationship, accuracy, precision, scatter graphs, bar graphs, line graphs, force meter	

