



## Duckmanton Primary School - Science Progression of Vocabulary

This document outlines the vocabulary which will be introduced, revised and built upon as part of Science teaching at our school. Working Scientifically vocabulary is shared throughout the year and are transferable across Science learning – in Early Years, this is shared as part of an immersive learning environment. Whilst opportunities to explore and use this vocabulary is used, this is not an exhaustive list – some further vocabulary may be generated by students and teachers through questioning and scientific discussion and discovery.

Year Group	Working Scientifically	Biology			Physics		Chemistry	
Early Years	Explore. Why? How? Describe. I wonder...	<b>Lifecycles – mini beasts</b> Living, dead, never alive, habitats, food chain, shelter, seashore, woodland.	<b>Growing Plants</b> tree petals trunk fruit branch roots leaves bulb flowers seed stem, grow		<b>Seasonal Changes</b> Summer day Spring dark Autumn light Winter night Season Moon Sun	<b>Floating &amp; Sinking</b> Float, sink, on, under, water, heavy, light.	<b>Changes - Ice</b> Melt, freeze, cold, hard, liquid, water, ice, transparent,	
	Observe, measure, result, change, investigate	<b>Animals inc. Humans - Human Body</b> amphibians, fish, reptiles, mammals, birds (+ 1 example of each) herbivore, omnivore, carnivore head, nose, ear, neck, shoulder, arm, elbow, wrist, hand, back, chest, hip, leg, knee, ankle, foot wing, beak, tail, fin sight, smell, touch, taste, hearing	<b>Plants</b> deciduous, evergreen, tree, leaf, flower (blossom), petals, fruit, bulb, seed, roots, stem, trunk, branches	<b>Habitats</b> local habitats, land, woodland, meadow, name micro habitats, under log, stony path, under bushes, suited,	<b>Seasonal Changes</b> season, spring, summer, autumn, winter, month, year, day, night, sun, moon, light, dark		<b>Everyday Materials</b> wood, plastic, glass, paper, metal, rock, hard, soft, rough, smooth, shiny, dull, bendy, stiff	
Year 2	<b>Observe, investigate,</b> investigation, equipment, fair test, <b>result, measure,</b> control, predict, <b>change</b>	<b>Animals inc. Humans - Healthy Me</b> survival, water, air, food reproduce, adult, baby, offspring, kitten, calf, puppy food chain, prey, predator, camouflage, protection, exercise, hygiene, balanced diet	<b>Plants</b> growth, germinate, light, temperature reproduce, lifecycle	<b>Adaptation</b> Living, dead, never been alive, names of Basic needs, depend, food, food chain, shelter	<b>Forces – Gravity</b> force, contact, surface, gravity, push, pull		<b>Comparing materials and their suitability</b> brick, fabric, elastic, foil. property, solid, waterproof, absorbent, opaque, transparent, squash, bend, flexible, twist, stretch push, pull, roll, slide, bounce	<b>Healthy Foods</b>

Year 3	Prediction, variable, <b>result</b> , <b>fair test</b> , <b>control</b> , conclusion, data	<b>Animals inc. Humans - Skeleton</b> skeleton, skull, bones, muscles, movement, support, protection, nutrition, carnivore, herbivore, omnivore, mammal, reptile, bird, amphibian, endoskeleton, exoskeleton, protein, carbohydrate, fat, fruit, vegetable, dairy, balanced diet.	<b>Plants</b> air, water, transportation, nutrients, soil, reproduction, seed formation, seed dispersal, pollination, oxygen	<b>Rocks &amp; Soils</b> soils, organic matter, fossil, crystal, sandstone, granite, marble, pumice absorbent, crumble sedimentary, layer, sediment igneous, magma, lava, gas bubbles (tiny holes/spaces) metamorphic, change, fossil squeeze, pressure	<b>Forces &amp; Magnets</b> force, contact, surface, magnetic, attract, repel, poles, opposite, resist, push, pull	<b>Light</b> light source, mirror, reflect, reflective, reflection shadow, blocked, transparent, translucent, opaque, surface, emit		
Year 4	Fair test, control, variable, evidence, accurate, <b>data</b> , enquire, research	<b>Animals inc. Humans - Teeth</b> mouth, tongue, teeth, oesophagus, stomach, small intestine, large intestine, nutrients, absorb, canine, incisor, molar producer, consumer, apex predator	<b>Living Things &amp; Their Habitats</b> vertebrates, invertebrates (+ 1 example of each) environment, habitat, classification key			<b>Electricity</b> appliance, battery power, main power, circuit, series, cell, battery, wire, bulb, switch, break in circuit conductor, insulator	<b>Sound</b> vibration, wave, volume, pitch, tone, insulation	<b>States of Matter</b> solid, liquid, gas, evaporation, condensation, particle, temperature, freezing, heating
Year 5	Fair test, control, independent variable, dependent variable, notice patterns, data set, accuracy	<b>Animals inc. Humans - Lifecycles including reproduction</b> womb, foetus, embryo, gestation, baby, toddler, teenager, elderly growth, puberty, development, life process, reproduction, offspring,			<b>Forces</b> air resistance, water resistance, friction, gravity, lever, gear, pulley, Newtons	<b>Earth in Space</b> Earth, sun, moon, solar system, axis of rotation, day, night, phases of the moon, star, constellation	<b>Reversible &amp; Irreversible Change</b> Solubility Electrical conductivity Thermal conductivity New material Buoyancy suspension	<b>Properties of Materials</b> Dissolve Solution, Soluble Insoluble Solute Solvent Burning Rusting Gas given off Mixture Filtering Sieving Reversible change Irreversible change Hard to reverse
Year 6	Independent variable, dependent variable, notice patterns, data set, degree of trust (reliability), controlled variable (control), precision	<b>Animals inc. Humans - Circulatory and Respiratory Systems</b> function, circulatory system, heart, valve, blood vessel, vein, artery transport, oxygenated, deoxygenated lifestyle, drug	<b>Living Things &amp; Their Habitats</b> characteristic, classification, organism, micro-organism	<b>Evolution &amp; Inheritance</b> adaptation, evolution, characteristic, reproduction, genetics, survival	<b>Electricity</b> circuit - series, parallel voltage, volts, amps	<b>Light</b> refraction, reflection, spectrum, rainbow		