



Science Vocabulary Progression document (YR-Y4)

Unit	EYFS	Year 1	Year 2	Year 3	Year 4
Plants	Flower Petal Seed Stem Grow Water Soil Sun Nutrients	leaf/leaves flower blossom petal fruit berry root bulb seed trunk branch stem bark stalk vegetable names of flowers grown names of vegetables grown	seeds bulbs fully grown water light damp/wet/dry dark/light hot/warm/cool/cold use comparatives e.g. hotter grow/growth healthy shoot seedling wither/limp die dry/crispy soil earth seeds bulbs	part role leaf/leaves flower blossom petal fruit berry root bulb seed Trunk/branch/stem seed formation seed dispersal bark stalk Water, light , air Pollination life cycle nutrients soil fertiliser damp/wet/dry dark/light hot/warm/cool/cold use comparatives e.g. hotter grow/growth healthy transported	
Animals including humans	body head neck arms elbows legs knees face ears	wild animals pets body head neck arms elbows legs knees	offspring babies young grow change adults older/younger baby/toddler/child/teenager	nutrition nutrients food types fruit and vegetable bread, rice, potato, pasta milk and dairy foods foods high in fat or sugar	digestive system nutrition nutrients mouth teeth canines incisor molar pre-molar

	<p>eyes nose hair Mouth, Feet, toes</p>	<p>face ears eyes eyebrows eyelashes nose hair Mouth, teeth, tongue Feet, toes Fingers, nails bright/dim loud/quiet ankle calf thigh hips waist trunk chest shoulders back hands wrist tail wing claw fin scales feathers fur beak senses hear/hearing see/seeing touch/touching smell/smelling taste/tasting rough/smooth high/low repeating/continuous (sound)</p>	<p>basic needs water food air breathing survival exercise food types fruit and vegetable bread, rice, potato, pasta milk and dairy foods foods high in fat or sugar meat, fish, egg, beans hygiene clean wash healthy medicine</p>	<p>meat, fish, egg, beans carbohydrates protein vitamins and mineral fat dietary fibre water balanced diet skeleton muscles support protection movement skull ribs spine/vertebra joints sockets bones tendons</p>	<p>saliva tongue rip, tear, chew, grind, cut oesophagus (gullet) stomach small intestine large intestine rectum anus carnivore herbivore omnivore producer consumer predator prey food chain digestive system</p>
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Seasonal Changes	season spring summer autumn winter weather	season spring summer autumn winter weather hot/warm cool/cold sun/sunny cloud/cloudy wind/windy rain/rainy snow/snowing hail/hailing sleet frost fog/mist ice/icy rainbow thunder lightning storm light/dark day/night			
Materials	object material wood plastic metal fabric glass paper	object material wood plastic glass metal water rock brick paper fabrics elastic foil card/cardboard	suitable/unsuitable use/useful object material property wood plastic glass metal water rock brick paper fabrics		states of matter solid liquid gas air oxygen powder grain/granular crystals change state ice/water/steam water vapour heated/heating cooled/cooling

		rubber wool clay not see through hard soft stretchy stiff bendy/floppy waterproof absorbent breaks/tears Rough, smooth See through Shiny, dull	elastic foil card/cardboard rubber wool clay hard soft stretchy rigid		temperature degrees Celsius melt freeze solidify melting point molten boil
Living Things & their Habitats	Living Dead Habitat Environment Shelter		living dead never been alive move grow feed have offspring/young/babies name local habitats e.g. a pond		classification keys environment fish amphibians reptiles birds mammals vertebrates invertebrates name some invertebrates

			<p>e.g. a woodland e.g. a meadow name micro-habitats e.g. under log e.g. on stony path e.g. under bushes</p> <p>damp/wet/dry dark/light hot/warm/cool/cold use comparatives e.g. hotter suited/suitable basic needs depend food food chain shelter</p>		<p>human impact name positive human impact name negative human impact</p>
Rocks				<p>rock stone pebble boulder soil fossils grains crystals hard/soft texture absorb water let water through marble chalk granite sandstone slate sandy soil</p>	

				clay soil chalky soil peat	
Light				light light source names of light sources e.g. torch dark/darkness reflect reflective mirror shadow block direct/ direction transparent opaque translucent	
Forces & Magnets	Sticky Magnets Push Pull Magnetic			force push/pushing pull/pulling contact force non-contact force magnetic force magnet strength bar magnet ring magnet button magnet horseshoe magnet attract repel magnetic material metal iron steel non magnetic material poles	

				north pole south pole	
Electricity					electricity appliances/device mains plug electrical circuit complete circuit circuit diagram circuit symbol components cell battery positive/negative connect/connection n loose connection short circuit wire crocodile clip bulb bright/dim Switch, plug, buzzer Electrical circuit motor fast(er)/slow(er) Conductor, insulator mains metal/non metal electricity appliances/device
Sound					sound sound source noise vibrate/vibration travel

					<p>solid/liquid/gas pitch tune high/low volume loud/quiet fainter muffle strength of vibrations insulation instrument percussion strings brass woodwind tuned instrument</p>
Earth and Space					

Evolution					
Working Scientifically	<p>Questions Equipment Measure Sort Group Compare Similar Different Results</p>	<p>Questions Equipment Gather Measure Record Data Sort Group Test Chart Table</p>	<p>Questions/answers Equipment Gather/measure/record Data/Pictogram Tally chart Block diagram Venn diagram Sort/order Group Test</p>	<p>Questions/answers types of scientific enquiry changes Similarities/differences identify Classify/sort/group order observe changes over time</p>	<p>Questions/answers types of scientific enquiry changes Similarities/differences identify Classify/sort/group order observe changes over time</p>

		<p>Observe Compare Describe Similar Similarities Differences Different Collect Results Ruler Tape measure Metre stick Beaker Pipette syringe</p>	<p>Chart Table Observe/explore Compare Describe Similar Similarities Differences Different Collect Results Ruler Tape measure Metre stick Beaker Pipette Syringe Observe changes over time Notice patterns Link Secondary sources Hand lenses Egg timer Stop watch</p>	<p>notice patterns present link secondary sources comparative tests fair tests Careful/accurate observations Questions/answers equipment Gather/measure/record data/evidence/results keys bar charts table results conclusions prediction support/not support thermometers data loggers, microscope magnifying glass</p>	<p>changes present Increase/decrease secondary sources comparative tests fair tests Careful/accurate observations appearance equipment Gather/measure/record data/evidence/results keys bar charts Table, results, conclusions, prediction thermometers data loggers Magnifying glasses microscope</p>
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