



Science

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Working Scientifically	question prediction observe experiment explore same different	question experiment answers equipment sort explore observe similar	gather order patterns notice compare	scientific enquiry similarities differences observations identify classify evidence conclusion	increase decrease accurate appearance	opinion fact variables independent variable dependent variable controlled variable precision	systematic causal relationship hypothesis evidence
By the end of the year, children should be able to use the vocabulary...							
Animals including humans	animal minibeast life cycle herbivore carnivore fingers eyes mouth nose ears brain feet habitat metamorphosis insect	fish amphibians reptiles birds mammals carnivore herbivore omnivore nocturnal wild pets senses head neck arms elbow legs knees face ears eyes hair mouth teeth	healthy diet off-spring exercise proteins carbohydrates fats nutrition survival hygiene balanced diet	nutrition skeleton muscles diet joint pelvis cartilage rib cage tendon spine skull protection, support and movement brain	pancreas oesophagus intestines organ molars canine food chain predators prey salivary gland	puberty gestation classification reproduction teenager obese toddler embryo	circulatory systems blood vessels drugs atriums cardiovascular ultrasound cardiologist capillaries pulse ventricles oxygen carbon dioxide bronchi diaphragm pulmonary blood cells plasma
Living things and their habitats			indigenous river woodland ponds sea rainforest desert microhabitats habitat		classification environment vertebrates invertebrates human impact deforestation	reproduction asexual reproduction sexual reproduction invertebrate vertebrate insect amphibian life cycle classification metamorphosis	organism micro-organisms vertebrates invertebrates species fungi monera bacteria protista algae



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<p>Seasonal changes</p>	<p>season summer autumn winter spring weather sun days of the week months of the year</p>	<p>season summer autumn winter spring weather sun moon day length days of the week months of the year light dark seasonal change</p>					
<p>Plants</p>	<p>flower petal stem roots seed tree branch leaves bulb fruit</p>	<p>buds bulbs deciduous evergreen trunk vegetable environment blossom petals branches</p>	<p>roots crown deciduous evergreen blossom bulb trunk stem woodland habitat oxygen</p>	<p>roots stem nutrients pollination seed dispersal fertiliser seed formation germinate stigma anther soil</p>			
<p>Materials</p>	<p>material hard soft smooth rough wood metal plastic paper glass</p>	<p>materials wood plastic metal liquid gas stretch stiff bend waterproof shiny</p>	<p>man made natural properties metal plastic wood squashing bending twisting stretching</p>		<p>air oxygen state gas particles vapour heating cooling degree Celsius melt freeze boil evaporation condensation</p>	<p>solubility conductivity buoyancy dissolve solution soluble insoluble solute solvent burning rusting filtering</p>	
<p>Light</p>					<p>Reflection Shadow Light source Opaque Refraction Transparent Translucent Nocturnal</p>		<p>Light wave Light source Filters Lens Retina Cornea Iris Pupil</p>



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Electricity					<p>electricity circuit buzzers conductor battery cells switch socket appliance series circuit insulator components switch positive negative</p>		<p>conductor insulator socket series circuit cells volts generator turbine fuses resistance</p>
Forces				<p>magnets attract repel force push/pull</p>		<p>mechanisms friction gravity air resistance water resistance levers pulleys gears parachute drag</p>	
Rocks	<p>fossil palaeontologist rock</p>			<p>fossil soil sedimentary metamorphic igneous extrusive</p>			
Sound	<p>loud quiet instrument music rhythm volume sound</p>				<p>vibrating pitch volume insulation outer, middle and inner ear cochlea auditory frequency hammer sound wave tune instrument</p>		



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Earth and Space	Earth sun moon gravity star Planet space					orbit solar system astronomical planet galaxy asteroid comet meteors rotation spherical eclipse lunar celestial body phases of the moon	
Evolution and Inheritance							adaptation evolution inheritance palaeontologist genes chromosomes syndrome genotype DNA natural selection variation