

### Science Vocabulary Overview

	Materials	Working scientifically	Animals including humans	Big Science	Plants	Living things and their habitats
<b>KS1</b>	<i>Learning objectives differ in Cycle A/B, vocabulary is repeated in both cycles</i>  material properties hard/soft stretchy/stiff shiny/dull rough/smooth bendy/not bendy waterproof/not waterproof absorbent/ not absorbent opaque transparent human-made natural	<i>Investigations differ in Cycle A/B, vocabulary is repeated in both cycles</i>  observation similar/ similarity differences category prediction data measure accurate	<i>Cycle A</i>  offspring carnivore herbivore omnivore fish birds mammals amphibians reptiles cold-blooded warm-blooded	<i>Investigations are child-led and differ; vocabulary is revisited from 'Working Scientifically'</i>  observation similar/ similarity differences category prediction data measure accurate  scientific instrument	<i>Cycle A</i>  deciduous evergreen leaf/leaves flowers/blossom petals roots trunk - branches stem shoot	<i>Learning objectives differ in Cycle A/B, vocabulary is repeated in both cycles</i>  habitat micro-habitats food chain conditions living/alive dead non-living
			<i>Cycle B</i>  survive/ survival exercise nutrients/ nutrition hygiene		<i>Cycle B</i>  grow seed bulb suitable survive temperature germinate reproduce produce	

<p><b>LKS2 Cycle A</b></p>	<p><b>Living things and their habitats</b></p> <p>classification key organism invertebrate vertebrate exoskeleton</p>	<p><b>Rocks</b></p> <p>scratch test minerals igneous sedimentary metamorphic</p>	<p><b>Sound</b></p> <p>vibration/vibrating volume fainter sound pitch</p>	<p><b>Big Science</b></p> <p>fair test variable method results conclusion</p>	<p><b>Electricity</b></p> <p>battery bulb mains rechargeable cell circuit components terminals wires switch</p>	<p><b>Animals including humans</b></p> <p>skeleton muscles carbohydrate protein</p>
	<p><b>LKS2 Cycle B</b></p>	<p><b>Light</b></p> <p>light light source shadows dull shiny reflection/ reflective transparent translucent opaque artificial</p>	<p><b>Forces</b></p> <p>force gravity magnet magnetic attract repel poles</p>		<p><b>States of Matter</b></p> <p>solid liquid gas state matter temperature melting freezing boiling evaporation condensing</p>	<p><b>Plants</b></p> <p>fruits disperse/dispersal edible</p>

UKS2 Cycle A	<p><b>Living things and their habitats</b></p> <p>kingdom genus species binomial naming system living organisms micro-organisms botanical</p>	<p><b>Light</b></p> <p>iris pupil optic nerve retina lens cornea refraction convex concave</p>	<p><b>Electricity</b></p> <p>motor buzzer series parallel</p>	<p><b>Big Science</b></p> <p>quantitative data qualitative data evidence precision/precise reliable repeat observations/ measurements</p>	<p><b>Animals including humans</b></p> <p>pregnant gestation period foetus puberty adolescents</p>	<p><b>Evolution and inheritance</b></p> <p>evolution natural selection inherit / inheritance fossil extinct inhabit offspring sibling living organisms adapted/adaptation habitat/environment</p>
	UKS2 Cycle B	<p><b>Living things and their habitats</b></p> <p>bulb pollination fertilisation sexual reproduction asexual reproduction gestation metamorphosis sperm</p>	<p><b>Earth and space</b></p> <p>axis tilt orbit rotate/rotation satellite direct evidence indirect evidence solar system sun star planet geocentric heliocentric</p>		<p><b>Forces</b></p> <p>gravitational pull force mass weight Newtons air resistance friction water resistance</p>	<p><b>Animals, including humans</b></p> <p>circulatory system pulmonary alveoli gas exchange aorta atrium ventricle veins arteries</p>