

Science Vocabulary Overview

	Everyday Materials	Working scientifically	Animals including humans	Big Science	Plants	Living things and their habitats
KS1	<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	

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

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

