

Science Vocabulary Overview

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

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

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