



PLANTS								
<b>Year 3</b>	air bark berry blossom branch	damp dark deciduous dispersal dry	evergreen fertiliser flower formation fruit	grow growth healthy leaf leaves	life cycle light nutrients part petal	pollination role root seed soil	stalk stamen stem style temperature	transported trunk water wet
<b>Year 4</b>	amphibian bird classification- key eggs environment	fish food habitat human- impact invertebrate	mammal protection reptile shelter vertebrate					
<b>Year 5</b>	amphibian anther asexual- reproduction bird eggs	filament fish germination insect invertebrate life cycle	live young mammal metamorphosis ovary pistil plantlets	pollen pollination reproduction reptile runners seed	seed- dispersal sepal sexual- reproduction stamen	stigma style vertebrate		
<b>Year 6</b>	amphibian arachnid bacteria bird classification- key	cold-blooded crustacean eggs environment fish	flowering fungus insect invertebrate mammal microorganism	mollusc non- flowering organism reptile vertebrate	virus warm- blooded			

Red text = vocabulary from other topics      Blue text = vocabulary used in previous year groups



## LIVING THINGS AND THEIR HABITATS

<b>Year 3</b>	air bark berry blossom branch	damp dark deciduous dispersal dry	evergreen fertiliser flower formation fruit	grow growth healthy leaf leaves	life cycle light nutrients part petal	pollination role root seed soil	stalk stamen stem style temperature	transported trunk water wet
<b>Year 4</b>	amphibian bird classification- key eggs environment	excretion fish food growth habitat human- impact	invertebrate mammal movement nutrition protection	reproduction reptile respiration sensitivity shelter vertebrate	carnivore consumer food chain herbivore omnivore predator	prey		
<b>Year 5</b>	amphibian anther asexual- reproduction bird eggs	filament fish germination insect invertebrate life cycle	live young mammal metamorphosis ovary pistil plantlets	pollen pollination reproduction reptile runners seed	seed- dispersal sepal sexual- reproduction stamen	stigma style vertebrate		bulbs tubers
<b>Year 6</b>	amphibian arachnid bacteria bird class	classification- key cold-blooded crustacean eggs	environment family fish flowering fungus genus	insect invertebrate kingdom mammal microorganism mollusc	myriapoda non- flowering order organism phylum	reptile species vertebrate virus warm- blooded	worm	

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## ANIMALS, INCLUDING HUMANS

<b>Year 3</b>	bones carbohydrates fat fibre joints	minerals movement muscles nutrients nutrition	protect protein ribs skeleton skull	spine sugar support vitamins water	cycle grow growth healthy life			
<b>Year 4</b>	anus canine carnivore chew consumer cut	digestive- system food chain grind herbivore incisor	large- intestine molar mouth nutrition oesophagus	omnivore predator pre-molar prey rectum rip	saliva small- intestine stomach tear teeth	tongue		
<b>Year 5</b>	adolescent adult baby birth child	development- stages egg elderly embryo foetus	gestation- period growth hormones infant juvenile	life cycle lifespan menstruation mental- health offspring	ovaries penis periods puberty pubic hair reproduction	senior sperm testicles uterus vagina womb		
<b>Year 6</b>	artery blood blood vessel capillary carbon- dioxide	carbohydrates circulatory- system diet drugs exercise	fat fibre heart lifestyle lungs minerals	nutrition nutrients oxygen protein pump sugar	myriapoda non- flowering order organism phylum	vein vitamins water		



## EVOLUTION AND INHERITANCE

<b>Year 3</b>	chalk clay crystal fossil grain	granite hard igneous impermeable light	marble metamorphic peat permeable rock	rough sand sandstone sedimentary slate	smooth soft soil texture			
<b>Year 4</b>	carnivore classification- key environment habitat herbivore	human impact omnivore						
<b>Year 5</b>	adult adolescent baby child development elderly	embryo gestation growth hormones life cycle menstruation	mental-health ovaries penis period puberty	pubic hair senior stages testicles uterus vagina	womb			
<b>Year 6</b>	adaptation adapted characteristics environment evolution evolve	fossils inherit genetics inheritance offspring	sexual- reproduction species suited variation vary					

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MATERIALS								
<b>Year 3</b>	chalk clay crystal fossil grain	granite hard igneous impermeable light	marble metamorphic peat permeable rock	rough sand sandstone sedimentary slate	smooth soft soil texture		opaque reflect shadow translucent transparent	
<b>Year 4</b>	air boil boiling point condensation condense cool	cooled Degrees- Celsius evaporate evaporation freeze	freezing-point gas heat heated ice	liquid matter melting melting-point oxygen	precipitation solid solidify state steam temperature	water water cycle water- vapour		state matter solid liquid particle
<b>Year 5</b>	absorbent attract burn change state dissolve elastic	electrical- conductivity electrical- insulating evaporating flammable flexible	filtering gas hard impermeable insoluble irreversible liquid	magnetic melting mix mixture non-magnetic non-reflective opaque	particle permeable reflective residue reversible rigid rough	sieving smooth soft solid solubility soluble solute	solution strong thermal- conductivity thermal- insulating translucent	transparent waterproof weak
<b>Year 6</b>	absorb block conductor dark darkness direct	direction insulator light light rays light source lines	mirror negative non-metal opaque positive reflect	reflective resistance shadow straight translucent transparent				



ROCKS								
<b>Year 3</b>	chalk clay crystal fossil grain	granite hard igneous impermeable light	marble metamorphic peat permeable rock	rough sand sandstone sedimentary slate	smooth soft soil texture			
<b>Year 4</b>								
<b>Year 5</b>	absorbent attract burn change state dissolve elastic	electrical- conductivity electrical- insulating evaporating flammable flexible	filtering gas hard impermeable insoluble irreversible liquid	magnetic melting mix mixture non-magnetic non-reflective opaque	particle permeable reflective residue reversible rigid rough	sieving smooth soft solid solubility soluble solute	solution strong thermal- conductivity thermal- insulating translucent	transparent waterproof weak
<b>Year 6</b>	adaptation adapted characteristics environment evolution evolve	fossils inherit inheritance offspring sexual- reproduction						



LIGHT								
Year 3	block dark darkness direction flame	lamp light light bulb light source mirror	opaque reflect reflective shadow Sun	sunlight torch translucent transparent				
Year 4								
Year 5	opaque reflective non-reflective translucent transparent							
Year 6	absorb block dark darkness direct direction	light light rays light source lines mirror opaque	reflect reflective shadow straight translucent transparent					



FORCES								
Year 3	attract bar magnet button- magnet contract	force friction horseshoe- magnet iron	magnet metal non-contact north pole poles	pull pulling push pushing	ring magnet south pole steel strength			
Year 4								
Year 5	air- resistance Earth <b>force</b> force meter <b>friction</b>	gear gravity lever mass mechanism moving	Newton pulley surface up thrust water- resistance	<b>repel</b> weight				
Year 6								





SOUND								
Year 3								
Year 4	brass fainter gas high pitch instrument loud	low pitch noise percussion pitch quiet solid	sound source strings travel tune vibrate	vibration volume woodwind				
Year 5								
Year 6								



ELECTRICITY								
Year 3								
Year 4	appliance battery bright bulb buzzer cell	circuit complete- circuit component connect connection	crocodile- clip device diagram dim electrical	mains negative plug positive short circuit switch	symbol wire			
Year 5	conductivity electrical							
Year 6	appliance battery bright bulb buzzer cell	circuit circuit- diagram circuit- symbol complete	component conductor connect connection crocodile- clip	current device dim electrical electricity insulator	metal motor negative non-metal positive resistance	short circuit switch symbol terminal voltage volume	wire	

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EARTH AND SPACE								
<b>Year 3</b>	dangerous light light source Sun sunlight							
<b>Year 4</b>								
<b>Year 5</b>	celestial- body day dwarf- planet Earth	geocentric gravity heliocentric Jupiter Mars Mercury	Moon night orbit planet Pluto rotate	rotation Saturn solar- system sphere Sun	revolution revolve Uranus Venus			
<b>Year 6</b>								