



Progressive Vocabulary - Science

Year 1				
Animals Including Humans (the ability to name different animals that belong to each group)				
fish	reptile	amphibian	bird	mammal
omnivore	herbivore	carnivore	Five senses	head
neck	arms	elbows	eyes	knees
hair	face	mouth	ears	teeth
Year 2				
Animals Including Humans (the ability to name different animals and their young)				
offspring	grow	adults	survival	water
food	air	exercise	hygiene	nutrition
reproduce	egg	chick	chicken	caterpillar
pupa	chrysalis/cocoon	butterfly	frogspawn	tadpole
frog	baby	toddler	child	teenager
adult	elderly	retired		
Year 3				
Animals Including Humans				
nutrition	nutrients	carbohydrates	protein	fats
fibre	water	vitamins	minerals	skeleton
bones	joints	endoskeleton	exoskeleton	hydrostatic
vertebrate	invertebrate	contract	relax	muscles
ball joint	socket joint	hinge joint	gliding joint	
Year 4				
Animals Including Humans				
digestion	mouth	tongue- mixes/moistens.	saliva	oesophagus
transports	stomach	acid	large intestine – compacts colon	small intestine – absorbs water.
vitamins	enzymes	incisors- cutting/slicing	canines- ripping/tearing	molars- chewing/grinding
floss	brush	teeth	food chain	sun
producer	prey	predators	carnivore	herbivore
omnivore				
Year 5				
Animals Including Humans				
puberty	lifecycle	gestation	growth	reproduce
foetus	baby	fertilisation	toddler	child
teenager	adult	old age	life expectancy	adolescence
adulthood	early adulthood	middle adulthood	late adulthood	childhood
Year 6				
Animals Including Humans				
internal organs	heart	lungs	liver	kidney
brain	skeletal	skeleton	muscle	muscular
digest	digestion	digestive	circulatory system	blood vessels
blood	impact	diet	exercise	drugs
lifestyle	nutrients	water	damage	alcohol
substances				

Year 1				
Everyday Materials				
wood	plastic	glass	metal	water
rock	brick	paper	fabrics	elastic
foil	hard/soft	stretchy/stiff	shiny/dull	rough/smooth
bendy/not bendy	waterproof/not waterproof	absorbent/not absorbent		
Year 2				
Uses of Everyday Materials (the ability to identify the material objects are made from)				
wood	metal	plastic	glass	brick
rock	paper	cardboard	squashing	bending



twisting	stretching			
Year 4	States of Matter			
solid	solidify	iron	ice	melt
freeze	liquid	evaporate	condense	gas
container	changing state	heated	heat	cooled
cool	degrees Celsius	thermometer	water cycle	evaporation
condensation	temperature	melting	warm	cool
water	water vapour			
Year 5	Properties and Changes of Materials			
properties	hardness	solubility	transparency	electrical conductor
dissolve	thermal conductor	response to magnets	reversible changes	separate
separating	solids	liquids	gases	evaporating
solution	dissolving	mixing	evaporation	filtering
sieving	melting	irreversible	new material	burning
rusting	magnetism	electricity	quantitative	measurements
conductivity	insulation	chemical		

Year 1	Plants			
common	wild plants	garden plants	deciduous	evergreen
tree	trunk	branch	root	leaf
fruit	vegetable	bulb	seed	leaves
flowers	blossom	petals	stem	bud
Year 2	Plants			
common	wild plants	garden plants	deciduous	evergreen
tree	trunk	branch	root	leaf
fruit	vegetable	bulb	seed	leaves
flowers	blossom	petals	stem	bud
grow	healthy	water	light	suitable
temperature	germination	reproduction		
Year 3	Plants			
common	wild plants	garden plants	deciduous	evergreen
trunk	branches	leaf	root	leaves
bud	flowers	blossom	petals	stem
fruit	vegetable	bulb	seed	

Year 1	Seasonal Changes			
season	summer	autumn	winter	spring
day	daytime	weather	wind	rain
snow	hail	sleet	fog	sun
hot	warm	cold		

Year 2	Living Things and their Habitats (the ability to describe different habitats/micro-habitats)			
living	dead	never alive	habitats	micro-habitats
food	food chain	human	alive	healthy
hot	warm	cold	dry	damp
wet	bright	shade	dark	conditions
woodland	ocean	rainforest	seashore	shelter
logs	leaf litter	stony path	under bushes	
Year 4	Living Things and their Habitats			
environment	flowering	non-flowering	plants	animals
vertebrate	environment dangers	fish	amphibians	reptiles
birds	mammals	invertebrate	snails	slugs



worms	Spiders	insects	human impact	
Year 5	Living Things and their Habitats			
lifecycles	mammal	amphibian	insect	bird
life process of reproduction	plants	animals	vegetable garden	flower boarder
reproduction	plants-sexual/asexual	animals-sexual	rainforests	oceans
desert	prehistoric	similarities	differences	
Year 6	Living Things and their Habitats			
classify	compare	Linnaean	Carl Linnaeus	classification
domain	kingdom	phylum	class	order
family	genus	species	characteristics	vertebrates
invertebrates	microorganisms	organism	flowering	non-flowering

Year 3	Forces and Magnets			
force	push	pull	open	surface
magnet	magnetic	attract	repel	magnetic poles
North	South			
Year 5	Forces			
gravity	air resistance	water resistance	friction	surface
force	effect	move	accelerate	decelerate
stop	change direction.	brake	mechanism	pulley
gear	spring	Theory of gravitation	Galileo Galilei	Isaac Newton

Year 3	Rocks (the ability to describe objects made from different rocks)			
appearance	physical	properties	hard/soft	shiny/dull
rough/smooth	absorbent/not absorbent	fossils	sedimentary	rock
soils	organic matter	buildings	grains	crystals

Year 3	Light			
light	see	dark	reflect	surface
natural	star	sun	moon	shadow
blocked	solid	artificial	torch	candle
lamp	sunlight	dangerous	protect eyes.	
Year 6	Light			
light	travels	straight	reflect	reflection
light source	object	shadows	mirrors	periscope
rainbow	filters			

Year 4	Electricity			
appliances	electricity	electrical circuit	cell	wire
bulb	buzzer	danger	electrical safety	sign
insulators	wood	rubber	plastic	glass
conductors	metal	water	switch	open/closed
Year 6	Electricity			
voltage	brightness	volume	switches	danger
series circuit	safety	sign	circuit diagram	switch
bulb	buzzer	motor	symbols	

Year 4	Sound			
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vibrate	vibration	air	medium	ear
hear	sound	volume	pitch	faint
fainter	loud	louder	string	percussion
woodwind	brass	insulate		

Year 5	Earth and Space			
Earth	Sun	Moon	moons	planets
stars	solar system	Mercury	Venus	Mars
Jupiter	Saturn	Uranus	Neptune	Pluto
rotate	day	night	Aristotle	Ptolemy
Galileo	Copernicus	Brahe	Alhazen	orbit
axis	spherical	heliocentric	geocentric	hemisphere
season	tilt			

Year 6	Evolution and Inheritance			
evolution	adaptation	inherited traits	adaptive traits	natural selection
inheritance	Charles Darwin	Alfred Wallace	DNA	genes
variation	parent	offspring	fossil	environment
habitat	fossilisation	plants	animals	living things

Key Stage 1	Working Scientifically			
question	answer	observe	observing	equipment
identify	classify	sort	diagram	chart
map	data	compare	contrast	describe
biology	chemistry	physics	group	record
Lower Key Stage 2	Working Scientifically			
research	relevant	questions	scientific enquiry	systematic
comparative and fair testing	careful observation	accurate	measurements	equipment
thermometer	data logger	data	gather	record
classify	present	labelled diagrams	drawings	keys
bar charts	labels	oral and written explanations	conclusion	predictions
differences	similarities	changes	evidence	improve
secondary sources	guides	construct	interpret	
Upper Key Stage 2	Working Scientifically			
plan	measurements	variables	accuracy	precision
repeat findings.	record data	scientific diagrams	labels	classification keys
tables	scatter graphs	bar graph	line graph	predictions
further comparative and fair testing	report and present conclusions	report and present causal relationships	report and present explanations	report and present degree of trust
report and present oral and written display and presentation	evidence	Support, refute ideas or arguments.	Identify, classify and describe patterns.	systematic
Quantitative measurements				