

Science Vocabulary Y1

Animals Including Humans		
Sense(s)	wrist	scales
eyes	ankle	alive
ears	see / sight	group
nose	hear / hearing	similar
mouth	touch / feel	different
hand	smell	difference
foot	taste	same
arm	human	compare
leg	animal	identify
head	bird	carnivore
neck	mammal	herbivore
knee	reptile	omnivore
shoulder	fish	Size comparison words – tall, taller, tallest, long, longer, longest, short, shorter, shortest
fingers	amphibian	
toes	wing	
elbow	beak	

Plants		
wild plant	deciduous	flowers
garden plant	evergreen	blossom
Names of wild plants including (but not limited to): daisy, buttercup, dandelion, clover, nettle, bramble, ivy, moss	Names of deciduous trees, including but not limited to: oak, maple, birch, elm, beech, willow	trunk
		roots
		branches
		bulb
Names of garden plants including (but not limited to): sunflower, rose, tulip, pansy, lavender, daffodil, primrose, sweet pea	Names of evergreen trees, including but not limited to: fir, pine, spruce, holly	seed
		fruit
		change
		grow
tree	leaves	identify
stem	leaf	weed

Everyday Materials		
object	hard	rigid (not bendy)
material	soft	water-proof
Material names, including but not limited to: wood, metal, glass, fabric, plastic, brick, paper, rock, sand, clay, water, foil, elastic	stretchy	not water-proof
	stiff	transparent
	shiny	opaque
	dull	absorbent
	bendy	not absorbent
property	properties	strong
weak	magnetic	not magnetic
rough	smooth	

Seasonal Changes		
season	Weather words, including but not limited to: rain, rainy, wind, windy, sun, sunny, hail, snow, sleet, storm, thunder, lightning	hot, hotter, hottest
Spring		wet, wetter, wettest
Summer		length of day
Autumn		temperature
		daylight
Winter	warm, warmer, warmest	longer, longest
weather	cold, colder, coldest	short, shortest
Names of the months of the year		

Science Vocabulary Y2

Animals Including Humans		
All Y1 words plus...		
body	parent	healthy
bodies	baby	unhealthy
change	toddler	medicines
grow	teenager	safety
growth	adult	sweet
move	basic needs for survival	salty
have young	nutrition	sour
reproduce	water	Words describing lifecycles eg egg, chick, chicken caterpillar, pupa, butterfly spawn, tadpole, froglet, frog
feed	food	
adult	oxygen	
young	exercise	
offspring	hygiene	

Plants		
All Year 1 words plus...		
young	living	growth
mature	alive	seedling
produce	healthy	survive
reproduce	germinate	survival
reproduction	germination	

Uses of Everyday Materials		
All Year 1 words plus...		
use	identify	bend
suitable	classify	twist
suitability	record	stretch
unsuitable	solid	purpose
compare	squash	change
recycle	re-use	invent
inventor	invention	natural
manufactured		

Living Things and Their Habitats		
alive	living	dead
Types of habitat, including but not limited to savannah, jungle, desert, woodland, ocean.	Names of plants and animals in their habitats	basic needs – food, water, shelter
never alive	conditions	prey
habitat	depend	food source
microhabitat	dependent	
food chain	predator	

Working Scientifically Key Stage One

compare	measurement	classify
sort	equipment	identify
group	record	test
pattern	observe	data
relationship	Why, how, when, what, where, who?	question, answer
contrast	describe	diagram, chart
biology	chemistry	physics
map		

Science Vocabulary Y3

Animals Including Humans		
All KS1 words plus...		
skeleton	protection	vertebrate
bones	movement	invertebrate
ribs	function	muscles
spine	compare	contract
skull	contrast	contraction
support	diet	relax
protect	nutrition	joint
nutrients	carbohydrates	endoskeleton
ball joint	exoskeleton	hinge joint
fibre	gliding joint	fats
vitamins	minerals	hydrostatic
water	protein	

Plants		
All KS1 words plus...		
common	wild plants	garden plants
deciduous	evergreen	tree
trunk	branches	leaf
root	leaves	bud
flowers	blossom	petals
stem	fruit	vegetables
bulb	seed	water
light	suitable	temperature
grow	healthy	germination
reproduction	pollination	seed formation
seed dispersal	structure	function
requirements for life and growth	life cycle	fertiliser

Forces		
force	push	pull
open	surface	magnet
magnetic	attract	repel
magnetic poles	North	South

Light		
light	see	dark
reflect	surface	natural
star	Sun	Moon
shadow	blocked	solid
artificial	torch	candle
lamp	sunlight	dangerous
protect eyes		

Rocks		
appearance	physical	properties
hard/soft	shiny/dull	rough/smooth
absorbent/not absorbent	fossils	sedimentary
rock	soils	organic matter
buildings	buildings	gravestones
grains	crystals	

Science Vocabulary Y4

Animals Including Humans		
All Y3 words plus...		
functions	digestive system	teeth
molars – chewing, grinding	incisors – cutting, slicing	canines – ripping, tearing
wisdom	pre molar	jaw
decay	hygiene (oral)	producers
food chain	predator	prey
mouth	tongue	oesophagus
large intestine - compacts	small intestine – absorbs water	stomach
carnivore	herbivore	digestion
saliva	transports	enzymes
colon	floss	brush
sun	omnivore	

Living Things and Their Habitats		
All KS1 words plus...		
environment	flowering	non-flowering
plants	animals	vertebrate
environment	dangers	vertebrate
fish	amphibians	reptiles
birds	mammals	invertebrate
snails	slugs	worms
spiders	insects	plants
flowering plants (including grasses)	non-flowering (including mosses and ferns)	human impact positive - nature reserves, ecologically planned parks, garden ponds
human impact negative - population, development, litter, deforestation		

Electricity		
appliances	electricity	electrical circuit
cell	wire	bulb
buzzer	danger	electrical safety
sign	insulators	wood
rubber	plastic	glass
conductors	metal	water
switch	open	closed

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

Working Scientifically Lower Key Stage Two

research	relevant	questions
scientific enquiry	comparative and fair test	systematic
careful observation	accurate	measurements
equipment	thermometer	data logger
data	gather	record
classify	present	record
drawings	labelled diagrams	keys
bar charts	tables	oral and written
explanations	conclusion	predictions
differences	similarities	changes
evidence	improve	secondary sources
guides	keys	construct
interpret		

Science Vocabulary Y5

Animals Including Humans		
All previous words plus...		
puberty	life cycle	gestation
growth	reproduce	foetus
baby	fertilisation	toddler
child	teenager	adult
old age	life expectancy	adolescence
adulthood	early adulthood	middle adulthood
late adulthood	childhood	

Forces		
All previous words plus...		
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	

Living Things and Their Habitats		
All previous words plus...		
life cycles	mammal	amphibian
insect	bird	life process of reproduction
plants	animals	vegetable garden
flower border	animal naturalists David Attenborough	animal behaviourist Jane Goodall
reproduction plants: sexual, asexual animals: sexual	lifecycles around the world	rainforest
oceans	desert	prehistoric
similarities	differences	

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	visit

Properties and Changes of Materials

properties	hardness	dissolve
solution	separate	solubility
separating	solids	liquids
gases	evaporating	reversible changes
dissolving	mixing	evaporation
filtering	sieving	melting
irreversible	new material	burning
rusting	magnetism	electricity
chemists	Spencer Silver	Ruth Benerito
quantitative	measurements	conductivity
insulation	chemical	transparency
electrical conductor	thermal conductor	response to magnets

Science Vocabulary Y6

Animals Including Humans		
All previous words plus...		
circulatory system	heart	blood vessels
blood	vein	artery
chamber	ventricle	oxygenated
valve	lung	deoxygenated
respiration	valve	exercise
internal organs	liver	kidney
brain	skeletal	skeleton
muscle	muscular	digest, digestion, digestive
impact	diet	drugs
lifestyle	nutrients	substances
damage	drugs	alcohol

Living Things and Their Habitats		
All previous words plus...		
classify	compare	Linnaean
Carl Linnaeus	classification	domain
kingdom	phylum	class
order	family	genus
species	characteristics	vertebrates
invertebrates	microorganisms	organism
flowering	non-flowering	

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

Electricity		
voltage	brightness	volume
switches	danger	series circuit
working safely with electricity	electrical safety	sign
circuit diagram	switch	bulb
buzzer	motor	recognised
symbols	visit	

Light		
light	travels	straight
reflect	reflection	light source
object	shadows	mirrors
periscope	rainbow	filters

Working Scientifically Upper Key Stage Two

plan	variables	measurements
accuracy	precision	repeat readings
record data	scientific diagrams	labels
classification keys	tables	scatter graphs
bar graphs and line graphs	predictions	further comparative and fair test
report and present conclusions	causal relationships	explanations
degree of trust	oral and written display and presentation	evidence
support, refute ideas or arguments	identify, classify and describe	patterns
systematic	quantitative	measurements