

## Progression of Vocabulary – Working Scientifically

EYFS	KS1		LKS2	UKS2
Look closely	Observe	Ruler	Practical work	Variables
Observe	Changes	Tape measure	Fair testing	Independent variable
Watch	Patterns	Metre stick	Relationships	Dependent variable
Touch	Grouping	Pipette	Accurate	Control variable
Feel	Sorting	Syringe	Thermometer	Evidence
Smell	Compare	Spoon	Data logger	Justify
Listen	Same	Teaspoon	Stopwatch	Argument (science)
Same	Different	Answer questions	Timer	Causal relationship
Different	Identify	Interpret results	Estimate	Accuracy
Compare	Measure	Scientific enquiry	Data	Precision
Ask questions	Data	Pattern seeking	Diagram	Scatter graphs
Record	Record	Comparative testing	Identification key	Bar graphs
Sort	Results	Observing over time	Chart	Line graphs
Group	Drawing	Classifying	Bar chart	Force meter
	Tally chart	Researching	Prediction	
	Table	Secondary resources	Similarity	
	Picture		Difference	
	Present		Evidence	
	Pictogram		Information	
	Block chart		Findings	
	Venn diagram		Criteria	
	Ask questions		Values	
	Test		Properties	
	Investigate		Characteristics	
	Explore		Conclusion	
	Equipment		Explanation	
	Resources		Reason	
	Magnifying glass		Evaluate	
	Hand lens		Improve	

## Progression of Vocabulary – Plants

EYFS	KS1		LKS2	UKS2
Plant	Leaf	Light	Photosynthesis	Life cycle
Leaf	Flower	Shade	Pollen	Reproduce
Stem	Blossom	Sun	Insect/wind pollination	Sexual
Branch	Petal	Warm	Male	Fertilises
Root	Fruit	Cool	Female	Asexual
Bark	Berry	Water	Seed formation	Plantlets
Flower	Root	Space	Seed dispersal	Runners
Petal	Seed	Grow	Wind dispersal	Tubers
Seed	Trunk	Healthy	Animal dispersal	Cuttings
Berry	Branch	Bulb	Water dispersal	Flowering
Frit	Stem	Germinate	Air	Non-flowering
Vegetable	Bark	Shoot	Nutrient	Mosses
Bulb	Stalk	Seedling	Minerals	Ferns
Plant	Bud		Soil	Conifers
Hole			Absorb	
Dig			Transport	
Water				
Weed				
Grow				
Shoot				
Die				
Dead				
Soil				
Tree				
Bush				
Herb				
Names of plants they see				

## Progression of Vocabulary – Living things and their habitats

EYFS	KS1		LKS2	UKS2	
Plant	Living	Conditions	Classification	Life cycle	Reptiles
Tree	Dead	Light	Classification keys	Reproduce	Birds
Bush	Never been alive	Dark	Environment	Sexual	Mammals
Flower	Suited	Shady	Habitat	Sperm	Warm-blooded
Vegetable	Suitable	Sunny	Human impact	Fertilisers	Cold-blooded
Herb	Basic needs	Wet	Positive	Egg	Invertebrates
Weed	Food	Damp	Negative	Foetus	Insects
Animal	Food chain	Dry	Migrate	Baby	Spiders
Name of plants and animals they see	Shelter	Hot	Hibernate	Child	Snails
Name of contrasting environments (e.g. beach, forest)	Move	Cold		Adolescent	Worms
	Feed	Names of living things in habitats and micro habitats		Live young	Flowering
	Water			Metamorphosis	Non-flowering
	Air			Asexual	Mosses
	Survive survival			Plantlets	Ferns
	Names of local habitats (e.g. pond, woodland etc)			Runners	Conifers
	Names of micro-habitats (e.g. under logs, in bushes etc)			Cuttings	
				Vertebrates	
				Fish	
				Amphibians	

## Progression of Vocabulary – Animals, including humans

EYFS		KS1		LKS2		UKS2
Egg	North Pole	Head	Skin	Nutrition	Protect	Puberty
Chick	South Pole	Body	Eyes	Nutrients	Move	The vocabulary to describe sexual characteristics
Bird	Sea	Eyes	Nose	Carbohydrates	Skill	Heart
Caterpillar	Hot	Ears	Ears	Sugars	Ribs	Pulse
Cocoon	Cold	Mouth	Tongue	Protein	Spine	Rate
Chrysalis	Wet	Teeth	Offspring	Vitamins	Digestive system	Pumps
Butterfly	Dry	Leg	Reproduction	Minerals	Digestion	Blood
Frog spawn	Snow	Tail	Growth	Fibre	Mouth	Blood vessels
Tadpole	Ice	Wing	Baby	Fat	Teeth	Transported
Froglet	Hair (e.g. black, brown, dark, light, blonde, ginger, grey, white, long, short, straight, curly)	Claw	Toddler	Water	Saliva	Lungs
Grow		Fin	Child	Skeleton	Oesophagus	Oxygen
Change		Scales	Teenager	Bones	Stomach	Carbon dioxide
Die		Feathers	Adult	Muscles	Small intestine	Cycle
Live - on land/in water/jungle/desert	Eyes (e.g. blue, brown, green, grey)	Fur	Old person	Joints	Large intestine	Circulatory system
Big/tall	Skin (e.g. black, brown, white)	Beak	Animals and offspring (e.g. Chick/chicken, kitten/cat, caterpillar/butterfly)	Support	Rectum	Diet
Small/short		Paws		Herbivore	Anus	Drugs
Bigger/smaller	Grandfather	Hooves	Survive	Carnivore	Incisor	Lifestyle
Baby	Cousin	Animals experienced in vertebrate groups	Survival	Omnivore	Canine	
Toddler	Friend	Parts of the human body included those in RSE	Water	Producer	Molar	
Child	Family		Food	Predator	Premolar	
Adult	Boy		Air	Prey		
Old person	Girl		Exercise			
Old	Man	Senses	Heartbeat			
Young	Woman	Touch	Breathing			
Brother		See	Hygiene			
Sister		Smell	Germes			
Mouther		Taste	Disease			
Father		Hear	Food types (meat, fish, vegetables, bread, rice, pasta, dairy)			
Grandmother		Fingers				

## Progression of Vocabulary – Evolution and inheritance

EYFS	KS1	LKS2	UKS2
			Offspring Sexual reproduction Vary Characteristics Adapted Inherited Species Evolve Evolution

## Progression of Vocabulary – Seasonal Changes

EYFS	KS1		LKS2	UKS2
Spring	Weather	Sun		
Summer	Sunny	Sunrise		
Autumn	Rainy	Sunset		
Winter	Raining	Day length		
Seasons	Shower			
Sunny	Windy			
Cloudy	Snowy			
Hot	Cloudy			
Warm	Hot			
Cold	Warm			
Shower	Cold			
Raining	Storm			
Storm	Thunder			
Thunder	Lightning			
Lightning	Hail			
Hail	Sleet			
Sleet	Snow			
Snow	Icy			
Icy	Frost			
Frost	Puddles			
Puddles	Rainbow			
Windy	Seasons			
Rainbow	Winter			
Animals	Summer			
Young	Spring			
Plants	Autumn			
Flowers				

## Progression of Vocabulary – Materials

EYFS		KS1		LKS2	UKS2
Ice	Hard	Object	Shiny	Solid	Thermal insulator/conductor
Water	Soft	Material	Dull	Liquid	Change of state
Frozen	Bendy	Wood	See-through	Gas	Mixture
Icicle	Rigid	Plastic	Not see-through	Heating	Dissolve
Snow	Wood	Glass	Opaque	Cooling	Solution
Melt	Plastic	Metal	Transparent	State change	Soluble
Wet	Paper	Water	Translucent	Melting	Insoluble
Cold	Card	Rock	Reflective	Freezing	Filter
Slippery	Metal	Brick	Non-reflective	Melting point	Sieve
Smooth	Strong	Paper	Flexible	Boiling	Reversible
Big	Weak	Fabric	Rigid	Boiling point	Non-reversible
Bigger	Hot	Elastic	Shape	Evaporation	Change
Biggest	Apply heat	Foil	Push/pushing	Condensation	Burning
Small	Waterproof	Card/cardboard	Pull/pulling	Temperature	Rusting
Smaller	Not waterproof	Rubber	Twist/twisting	Water cycle	New material
Smallest	Soggy	Wool	Squash/squashing		
Change back	Best	Clay	Bend/bending		
	Change	Hard	Stretch/stretching		
		Soft			
		Stretchy			
		Stiff			
		Bendy			
		Floppy			
		Waterproof			
		Absorbent			
		Breaks/tears			
		Rough			
		Smooth			

## Progression of Vocabulary – Rocks

EYFS	KS1	LKS2	UKS2
Natural Shells Pebbles Stones		Rock Stone Pebble Boulder Grain Crystals Layers Hard Soft Texture Absorbs water Fossil Bone Flesh Minerals Marble Chalk Granite Sandstone Slate Types of soil (e.g. peaty, sandy, chalky, clay)	



## Progression of Vocabulary – Light

EYFS	KS1	LKS2	UKS2
Light Torch Bulb Lamp Spotlight Shiny Bright Brighter Brightest Shin Glow Mirror Sun Sunny Shadow Shady Clouds See-through Not see-through Source Light source		Light Light source Dark Absence of light Surface Shadow Reflect Mirror Sun Sunlight Dangerous	Straight lines Light rays

## Progression of Vocabulary – Forces

EYFS		KS1	LKS2	UKS2
Float	Further/furthest		Force	Force
Sink	Wind		Push	Gravity
Up	Air		Pull	Earth
Down	Water		Twist	Air resistance
Top	Blow		Contract force	Water resistance
Bottom	Bounce		Non-contract force	Friction
Surface	Object		Magnetic force	Mechanisms
Move	Push		Magnet	Simple machines
Roll	Pull		Strength	Levers
Drop	Magnet		Bar magnet	Pulleys
Fly	Spring		Ring magnet	Gears
Turn	Squash		Button magnet	
Spin	Bend		Horseshoe magnet	
Fall	Twist		Attract	
Fast/faster/fastest	Stretch		Repel	
Slow/slower/slowest	Smooth		Magnetic material	
	Rough		Metal	
			Iron	
			Steel	
			Poles	
			North pole	
			South pole	

## Progression of Vocabulary – Sound

EYFS	KS1	LKS2	UKS2
Sound Noise Listen Hear Bang Blow Pluck Hard Fast Slow Music Voices Bird song Traffic Sirens Thunder High Low Loud Quiet Soft Volume Crackle Thunder Hum Buzz Roar		Sound Source Vibrate Vibration Travel Pitch (high, low) Volume Faint Quiet Loud Insulation	

## Progression of Vocabulary – Electricity

EYFS	KS1	LKS2	UKS2
Battery Plug Socket Electricity Wire Sound Light Move		Electricity Electrical appliance/device Mains Plug Electrical circuit Complete circuit Component Cell Battery Positive Negative Connect/connections Loose connections Short circuit Crocodile clip Bulb Switch Buzzer Motor Conductor Insulator Metal Non-metal Symbol	Circuit diagram Circuit symbol Voltage

Progression of Vocabulary – Earth and Space

EYFS	KS1	LKS2	UKS2
Sun Moon Earth Star Planet Sky Day Night Space Round Bounce Float			Sun Moon Earth Planets Mercury Jupiter Saturn Venus Mars Uranus Neptune Spherical Solar System Rotate Star Orbit