SCIENCE KEY VOCABULARY

Year 1 - everyday materials

*repeated key vocabulary

Materials	Shiny	Magnetic
Objects	Dull	Magnet
Sort	Opaque	Attract
Describe	Transparent	Repel
Match	Translucent	Investigation
Properties	Colourful	Rigid
Texture	Soft	Flexible
Equipment	Hard	
Similar	Rough	
Different	Smooth	
Plastic	Heavy	
Glass	Light	
Metal	Strong	
Rubber	Stretchy	

Year 2 - uses of everyday materials

Planning	Melting point	
Prediction	Tension	
Method	Waterproof	
Working scientifically	Pipette	
Method		
Rock		
Wool		
Squash		
Bend		
Stretch		
Twist		
Push		
Pull		
Resources		

SCIENCE KEY VOCABULARY

Year 4 - states of Matter

Gases	Evaporation	collection
Solids	Condensation	Pliable
Liquids	Cycle(-lic)	
States Of Matter	Observations	
Oxygen	Temperature	
Hydrogen	Opposite	
Nitrogen	Solidify	
Helium	Degrees Celsius	
Reverse (-able)	Transpiration	
Solidify	Collection	
Melting point	Heat	
freezing point	Energy	
Substances	Water vapour	
	Methane	

Year 5 - properties of materials and changes to materials

Hardness	Magnetism	
Transparency	Solute	
Conductivity	Solution	
Electrical	Solubility	
Thermal	Solvent	
Dissolve	Filament	
Filter	Socket	
Mixture	Impenetrable	
Reversible	Insulator	
Irreversible	Insulation	
Sieving		
Evaporation		
Reliable		
Variable		

SCIENCE KEY VOCABULARY

Year 1 - seasonal Changes

Seasons	Fog	Weathervane
Autumn	Symbols	Previous
Winter	Length	Dry
Spring	Thermometer	Rain gauge
Summer	Varies	Precipitation
Weather	Equator	Wind vane
United Kingdom	Months of the year in order	Rainfall
Season	Leaves	Data
Seasonal	Plant	Information
Warm, cool	Similarities	Gather
Wind	Differences	Earth
Daylight	Energy	Globe
Sunrise	Supply	Rotate
Sunset	equipment	Axis
		Tilt

Year 1 - animals inc. humans

Taste buds	Reptile	
Explain	Warm-blooded	
Describe	Life cycle	
Mammal	Amphibian	
Similarities	Tadpole	
Differences	Frog spawn	
Rodents	Froglet	
Backbone	Fry	
Warm blooded	Larva	
Carnivore	Venn diagram	
Omnivore		
Herbivore		
Vertebrate		
Cold-blooded		

SCIENCE KEY VOCABULARY

Year 2 - animals inc. humans - living things and their habitat

Working scientifically	Healthy	Food chain
Prediction	food groups	Micro-habitat
Survival	Carbohydrates	Adaptation
Vigorous	fruits and vegetables	Producer
Efficient	Protein	Consumer
Heart	Dairy	Prey
Pulse	Fats and sugars	Predator
Blood	Hygienic (un), hygiene	Carnivore
Exercise	Bacteria	Herbivore
Muscle	Life cycle	Omnivore
Balanced, unbalanced	Adolescent	Dependence (inter)
Nature	Habitat	

Year 3 - animals including humans (nutrition, skeletons & muscles)

Nutrition	Muscles	
Photosynthesis	Tendons	
Protein	Vertebrate	
Carbohydrates	Invertebrate	
Vitamin	Endoskeleton	
Minerals	Exoskeleton	
Fats	Hydrostatic skeleton	
Fibre	Resistance	
Saturated	Oxygen	
Unsaturated	Oxygenated	
Balanced	Blood	
Unbalanced		
Pie chart		

SCIENCE KEY VOCABULARY

Year 4 - animals including humans (teeth & digestion)

Intestine	Molecules	
Brain	Saliva	
Lungs	Decay	
Function	Molars	
Liver	Premolars	
Kidney	Incisors	
Organs	Canines	
Excrete	Enamel	
Digestion	Calcium	
Digestive system	Omnivore	
Oesophagus	Carnivore	
Trachea		
Gall bladder		
Stomach		

Year 4 - living things and their habitats inc. food chains

Rainforest	Impact	Invertebrate
Desert	Diagram	Endangered
Ocean	Generate	Adapt
Woodland	Venn diagram	Adaptation
Savanah	Carroll diagram	Diet
Antarctica	Consumer	Shelter
Mountain	Producer	Food chain
Organism	Predator	Classify
Sunlight	Prey	Herbivore
Source	Drought	Carnivore
Habitat	Climate	Omnivore
Warm-blooded	Deforestation	
	Pollution	

SCIENCE KEY VOCABULARY

Year 5 - animals inc. humans

Adolescent	Adolescence	
Adult	Toddler	
Animals	Mammal	
Baby	Growth	
Developing	Development	
Embryo		
Foetus		
Growth		
Hormones		
Humans		
Puberty		
Teenager		
Timeline		

Year 5 - living things and their habitat

Reproduction	Anther	
Amphibian	Filament	
Life cycle	Stem	
Process	Root	
Survive (al)	Sepal	
Dispersal	Metamorphosis	
Characteristics	Pollination	
Mammals	Gestation	
Petal	Classification	
Stigma	Function	
Style	Genetic (ally)	
Ovary	Identical	
Ovule	Features	

SCIENCE KEY VOCABULARY

Year 6 - living things and their habitats

Classification	Observable changes	Microscopic
Vertebrates	Vertebrate	Independent variable
Invertebrates	Branching diagram	Dependent variable
Mammals	Orders	Control variable
Reptiles	Kingdoms	Hypothesis
Amphibians	Genera/ Genus	Justify
Fish	Species	
Branching diagram	Protozoa	
Characteristics	Bacteria	
Offspring	Virus	
Warm-blooded	Fungi	
Cold-blooded	Algae	
Micro-organism		

Year 6 - animals inc. humans

Circulation (ory)	System	Prediction
Heart	Aorta	Method
Lungs	Ventricle	Analysis
Blood vessels	Pulmonary	Fair test
Chamber	Resting pulse	Evaluate (-tion)
Oxygen	Recovery period	Alcohol
Vein	Intervals	Caffeine
Artery	Mean	Tobacco
Capillary	Immune system	Nicotine
Oxygenated	Active	Addictive (-tion)
Deoxygenated	Passive	Tar
Blood	Efficient	Organ damage
	Bronchiole	Diabetes

SCIENCE KEY VOCABULARY

Year 1 - plants

Deciduous	Stem	Alder
Evergreen	Root	Ash
Environment	Flower	Beech
Wild	Leaf	Birch
Common wild and garden plants: dandelion, daisy, nettle, bramble etc	Leaves	Cedar
	Petal	Hawthorn
	Bark	Hazel
	Branches	Holly
	Roots	Horse chestnut
Research	Leaves	Larch
Pattern	Trunk	Oak,
Diagram	Crown	
Classify		

Year 2 - plants

Seeds (seedling)	Common	
Bulb	Scientific	
Mature (-ity)	Development	
Investigation	Crop	
Measurement	Artificial (ally)	
Germination	Greenhouse	
Roots, shoots	Stem	
Leaves	Deciduous	
Sprout	Evergreen	
Diagram	Environment	
Temperature	Classify	
Template	Pattern	
Nutrients		

SCIENCE KEY VOCABULARY

Year 3 - plants

Dissect	Conditions	Pollen tube
Poisonous	Transport	Fertilisation
Function	Pollination	Interdependent
Purpose	Dispersal	
Stem	Petals	
Flower	Sepal	
Root	Stamen	
Leaf	Anther	
Germinate (tion)	Filament	
Prediction	Stigma	
Variable	Style	
Fair test	Ovary	
Comparative test	Ovule	

Year 2 - forces

Variable	Similarity	
Investigation	Difference	
Fair test		
Change		
Same		
Measure		
Table		
Record		
Forces		
Magnet		
Surface		
Shallow		
Steep		
Distance		

SCIENCE KEY VOCABULARY

Year 3 - forces

Push		
Pull		
Gravity		
Contact		
Newtons		
Attracted		
South		
Poles		
Repelled		
North		
Opposite		
Magnetic field		
Prediction		
Observation		

Year 5 - forces

Gravity	Prediction	
Up thrust	Observation	
Drag	Fair test	
Newtons	Variable	
Resistance	Fulcrum	
Surface area	Force	
Anomalies	Exertion	
Weight	Kinetic energy	
Friction		
Streamline		
Aerobic		
Float		
Lever		
Pulley		

Year 3 - rocks and soils

Environment	Weathering	Magma
Geology	Erosion (erode)	Iron
Geologist	Fragment	Nickel
Geological	Sediment	Igneous
Natural	Granite	Sedimentary
Man-made	Slate	Metamorphic
Property	Sandstone	Fossil
Appearance	Limestone	Prehistoric
Observations	Crystals	Ammonite
Lava	Landmass	Preserved
Pumice	Earth	Bedrock
Compacting	Crust	Permeable
Compressing	Mantle	Impermeable
Molten	Core	

SCIENCE KEY VOCABULARY

Year 3 - light

Natural		
Artificial		
Light source		
Reflect		
Reflective		
Illuminate		
Prediction		
Energy		
Transparent		
Translucent		
Opaque		
Absence		

SCIENCE KEY VOCABULARY

Year 6 - light

Source	Annotation	Reflect
Artificial	Opaque	Periscope
Natural	Transparent	Angle of incidence
Filament	Translucent	Convex
Shadow	Block	Concave
Refraction	Absorbed	Dispersion
Reflection	Filter	White light
Iris	Fair test	Spectrum
Lens	Variable	Prism
Pupil	Hypothesis	
Retina	Transparent	
Cornea	Focal point	
Optic nerve		

Year 4 - electricity

Energy	Battery	
Charge	Positive	
Static	Negative	
Current	Power	
Dynamic	Motors	
Appliance	Bulbs	
Electricity	Buzzers	
Energy	Components	
Convert	Method	
Switch	Conductors	
Circuit	Insulators	
Fault	Series circuit	
Scientific diagram		

SCIENCE KEY VOCABULARY

Year 6 - electricity

Circuit	Variation	
Complete	Conventional	
Diagram	Series circuit	
Symbol	Connected	
Cell		
Battery		
Bulb		
Buzzer		
Motor		
Switch		
Voltage		
Brightness		
Components		
function		

Year 4 - sound

Sound	Low	
Source	High	
Vibrate	Ear drum	
Vibration	Ear canal	
Travel	Outer ear	
Pitch	Inner ear	
Volume		
Faint		
Loud		
Insulation		
Wave		
Frequency		
Quiet		
Loud		

SCIENCE KEY VOCABULARY

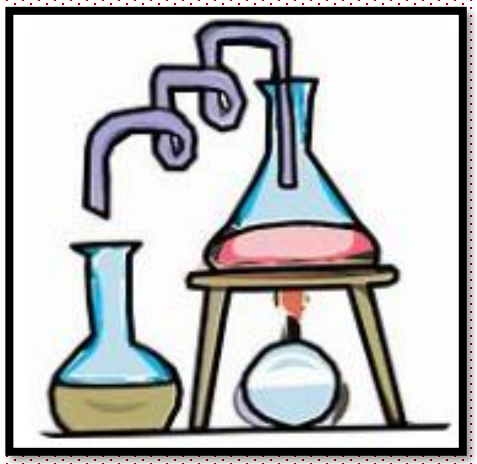
Year 5 - Earth and Space

Diameter	Components	
Composition	Gravity	
Resources	Cycle	
Planet	Scatter	
Solar system,	Line graph	
Spherical	Diagram	
Axis	Particles	
Orbit		
Rotate (-ional)		
Surface		
Atmosphere		
Temperature		
Declassified		

Year 6 - evolution and inheritance

Fossil	Offspring	Species
Decay	Variation	Similarities
Buried	Adaptation	Differences
Mould	Conditions	Identical
Mineralization	Extreme	Fraternal
Preservation	Mould	Chromosomes
Sediment	Mineralization	Breeds
Pressure	Preservation	Cross
Natural selection	Sediment	Offspring
Evolution	Pressure	Natural Selection
Extinct	Skeleton	Scientific drawing and observation
Insulating	Ancestors	
Characteristics	Environment	
	Survival	

SCIENCE KEY VOCABULARY



A Killigrew scientist...

Is curious about the world around them and the wider universe.

Knows how to conduct an experiment, make predictions and draw conclusions.

Feels confident to voice their opinions on global challenges (linked to science learning).

Critically examines scientific evidence.

Asks sensible questions and expresses their knowledge and their viewpoint clearly.

Has a strong and comprehensive knowledge base.