Key Vocabulary

	Rocket Words					
EYFS	**Animals** bird cow sheep goat chicken pig farm bear nest living **Insects** snail worm spider honey beetle ladybird fly insect bee	**Machines** horse bus car bike plane train wheel hammer toy travel living **Materials** melt freeze cold mirror smooth ice wool jumper sheep describe	**Our Body** arm leg nose hand head foot ear mouth hair eye see hear touch taste sense baby **Plants** weeds plant seed soil water stem root sunlight water garden	**The Beach** dune beach sun cream sand bucket spade sea sandcastle footprint safe clean **The Senses** sight taste feel touch smell sound trumpet noise	**The Weather** summer winter spring autumn snow rain thunder sun wind **Food** cow cheese milk beef pig bacon sausage pork chicken eggs sheep lamb wool wheat flour bread cereal	**Forces** push pull fast slow sink float press swing suck boat **Health and Safety** electricity danger safe house stranger trust wash soap healthy danger
Year 1	**Seasonal Changes** season spring summer autumn winter autumn hibernate weather protect harvest winter weather frost sleet temperature spring compare changes grow chick summer warm sun protection heatwave rainfall measuring record graph	**All About Me** head body skeleton limb joint brain eyelash eye sight pupil sound ear sign language vibration deafness tongue mouth taste flavour sweet skin organ brain smell odour nose nostril nose hair	**Everyday Materials** solid strong brick clay wind waterproof absorbent non-absorbent roof slate transparent opaque suitable window pane window frame fabric furniture cotton weather suitable evaluate material properties	**Plants** seed plant tree soil predict stem petal leaf root flower environment weed daisy dandelion wild deciduous evergreen seasons branch supermarket fruit vegetable farm tractor	**Animals inc Humans** fish amphibian reptile mammal bird feather warm-blooded characteristic backbone hatchling gills scale cold-blooded herbivore carnivore omnivore predator canines similarities differences	
Year 2	**Everyday Materials** material property suitable object brick bridge	**Living things and their habitats** senses nutrition reproduce excrete	**Living things and their habitats** habitat microhabitat organism environment	**Animals inc Humans** survival shelter nutrition oxygen essential	**Animals inc Humans** life cycle grow survive independent adult foetus womb	**Plants** seeds bulbs growth plant compare predict investigate control

	triangle obstacle structure construction stretchy elastic floppy hinder limit bend twist squash stretch force highway road	respire habitat microhabitat fungi survive shelter antennae suitable condition colony insect producer consumer herbivore carnivore omnivore food chain life cycle nutrients rot caterpillar	mate rainforest moisture extinct climate endangered biodiversity deforestation poaching pollution rainforest plankton ocean ecosystem coral reef trench Antarctic Arctic earthworm desert lizard cactus pond	vital non-essential survive grow healthy protein carbohydrate dairy vitamins calcium fat balanced diet nutrients exercise strength flexibility balance hygiene	offspring inherit gene resemble differences reproduction hatchling chick bar chart predict caterpillar transformatio n frog amphibian frogspawn tadpole froglet	experiment method photosynthesi s carbon dioxide oxygen glucose energy pollination life cycle germination reproduction seedling manure crop insulate thrive healthy forest desert adapt condition survive
Year 3	**Scientific Enquiry** solar renewable energy scientific investigation prediction plausible record results data table graph conclusion evidence explanation compare enquiry fair test control experiment variable conclusive scientific knowledge equipment diagram collated	**Animals inc Humans** nutrition carbohydrate protein vitamin mineral portion energy balanced diet vertebrate invertebrate endoskeleton exoskeleton radius tibia vertebrate skull rib cage spine muscle contract hamstrings biceps diaphragm	**Rocks** igneous rocks intrusive igneous rock extrusive igneous rock crystals magma sedimentary rock metamorphic rock limestone marble sandstone weathering erosion receding fossil extinct decompose fragments clay soil chalky soil sandy soil	**Forces and Magnets** force contact force non-contact forces air resistance friction motion surface resistance texture magnet attract repel bar magnet horseshoe magnet magnetism magnetic magnetic field iron steel non-contact forces magnetism attract non-magnetic materials recycle compass magnetic needle magnetic north direction orienteering	**Plants** nutrients fertiliser nursery potassium chlorophyl stomata xylem photosynthesi s absorb stomata transpiration anther stigma style filament reproduction pollen nectar seed dispersal pollinator germination vulnerable anchor sapling formation	**Light** light source natural artificial reflect vitamin D ultraviolet rays sunburn exposure protection fluorescent high visibility reflective surface materials shadow opaque sundial rays blocks opposite direction length size shape closer further puppet
Year 4	**Animals inc**	**Living things**	**Living things**	**States of**	**Sound**	**Electricity**

	Humans digestive system oesophagus stomach small intestine large intestine saliva peristalsis absorb liver gall bladder incisors canines molars jaw gum enamel plaque tooth decay cavity ecosystem producer consumer prey predator interdependence threatened food web	**and their habitats** habitat microhabitat conditions adapted camouflage coastal grassland environment climate exposure classify characteristics vertebrate invertebrate species criteria classification keys organism adapted region features flowering plant non-flowering plant	**and their habitats** ecosystem Northern Hemisphere Southern Hemisphere migrate monsoon rainforest deforestation drought biodiversity recycling fossil fuels pollution greenhouse gases emissions climate change water treatment plant conserve drought freshwater endangered marine sanctuaries protect conservation areas	**matter** matter solid liquid gas volume particle bond arranged cooled heated particle melting melting point temperature freezing reverse boiling sublimation deposition evaporation condensation absorb water vapour process water cycle precipitation surface runoff	vibration medium waves eardrum signals source energy particles echo vacuum materials reflect absorb insulate defenders volume decibels decibel metre amplitude power pitch high pitch low pitch instruments orchestra energy particles travel sound source fade	electricity batteries mains electricity appliance socket circuit series circuit component cell voltage current power battery wire bulb conductor insulator metal copper rubber switch current control complete circuit incomplete circuit non-renewable energy renewable energy wind turbines solar panels hydropower
Year 5	**Forces** Sir Isaac Newton gravity astronomy weight mass Galileo Galilei air resistance opposing streamlined parachute water resistance streamlined upthrust buoyant sink friction resistance lubricant Newton meter Newton lever load pivot pulley mechanism gear mesh	**Properties of materials** conductive magnetic durable transparent versatile thermal conduction molecules degrees Celsius (℃) insulator hardness force iron steel stone dissolve solute insoluble soluble solvent substance saturation pure substance	**Changes of materials** pure substance solute solvent solution evaporate reversible mixture physical change melting evaporate irreversible chemical change compare effervescence product fair test variable control variable corrosion rusting	**Animals inc Humans** foetus dependent adolescent puberty reproduce pregnant duration extreme breeding womb umbilical chord embryo trimester midwife growth spurt childhood motor skills milk teeth constant adolescence puberty hormones mood swing	**Earth and space** terrestrial planet gas giant planets Solar System spherical orbit astronomy heliocentric geocentric dwarf planet axis poles season hemisphere sundial time zone gnomon dial shadow moon phase waxing waning eclipse rocky planet gas planet moon solar system	**Living things and their habitats** reproduction asexual fertilisation tuber genes pouch mammary glands placental mammal monotreme mammal marsupial metamorphosis caterpillar amphibian larva pupa egg hatch embryo naturalist primatologist

	rack and pinion bevel gear	mixture filtering sieving evaporation	combustion fuel oxygen reaction predict acid bicarbonate of soda carbon dioxide	develop lifestyle keratin elasticity cataracts neurodegene rative		endangered natural sciences living organism reproduction life cycle vertebrate warm-blooded
Year 6	**Electricity** symbol circuit circuit diagram battery wires electricity current voltage voltmeter brightness blown resistor variable resistor LED dimmer switch output variable fair test control test systematically synchronised traffic light signal sensor timer-based closed electric circuit indicating conductor insulator resistor	**Light** light eye light source symbol scientific diagram reflected prediction fair test variable table periscope angle mirror line of sight utilise shadow block opaque transparent translucent plan sun shade real life problem rotate direction optical phenomena disperse spectrum refraction	**Animals inc Humans** circulatory system atrium ventricle vessel valves vessel artery vein capillary microscope blood plasma platelet white blood cell red blood cell absorb diffusion osmosis concentration nutrients diet exercise heart rate BPM pulse drug painkiller stimulant depressant hallucinogens	**Living things and their habitats** classify microorganis m fern living organism conifer kingdom mrs gren cell multicellular unicellular Carl Linnaeus classification Latin species domain microorganis m bacteria fungi virus protozoa plant microscopic fungi mycelium ecosystem classify microorganis m living organism habitat reproduction	**Evolution and Inheritance** offspring characteristic inherit variation environmenta l adaptation habitat climate nutrition feature nutrients epiphytes toxic predators pollinate fossil Mary Anning Palaeontologi st ichthyosaurus Jurassic coast Charles Darwin evolved extinct natural selection theory ancestor tools primate Homo sapien Neanderthal	**Looking after out environment** weather climate prevent global warming climate change recycle landfill rubbish biodegrade council net zero renewable non-renewabl e greenhouse gases emissions industrial revolution fossil fuel coal combustion fuel COP sustainability conference pledge subsidy species sensitive natural disaster habitat vulnerable