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Science Vocabulary Progression

	Working Scientifically	Animals including Humans	Plants	Living Things and Their Habitats	Materials	Rocks and Soil	States of Matter
KS1	experience observe changes patterns grouping sorting classifying compare identify (name) data measure record equipment questions test investigate explore magnifying glass / hand lens same different	names of common animals: fish, amphibians, reptiles, birds, mammals carnivores herbivores omnivores human body senses see hear feel smell taste habitat local environment pet wild animal insect minibeast food eat head neck body arms legs	plants wild plants garden plants evergreen trees deciduous trees common flowering plants flowers vegetables leaf/leaves flower blossom petal stem trunk branch root seed bulb bud growth grow habitat local environment leaf fall water light temperature healthy growth survive	pond garden field park woodland sea shore river ocean forest rainforest stones rocks logs leaf litter habitat micro-habitat living dead not living alive healthy food food chain depend source of food shelter grow growth healthy	everyday materials wood paper plastic metal glass water rock brick stone fabric material foil elastic dough rubber card cardboard clay object make/made hard/soft shiny/dull stretchy/stiff rough/smooth bendy/not bendy waterproof/not waterproof transparent/opaque absorbent/not absorbent		

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		ears eyes nose mouth tongue hands feet fingers toes elbows knees hair teeth grow healthy offspring adults young water air survive exercise hygiene egg chick chicken caterpillar pupa moth butterfly tadpole frog frog spawn lamb sheep calf cow	soil germinate stages of growth		squash twist bend stretch		

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		foal horse					
Year 3 **Year 4**	develop enquiry practical enquiry fair test comparative test relationships conclusion accurate thermometer data logger estimate data diagram key (identifying) table chart bar chart results predictions explanation reason similarity difference question evidence information findings criteria values properties characteristics	nutrition diet skeleton muscles protection support movement bones skull shell digestive system stomach small intestine large intestine oesophagus types of teeth: molar, pre-molar, incisor, canine saliva	functions nutrients nutrition air transport (water) life cycle pollination seed formation seed dispersal reproduce fertiliser	environment non-flowering plants ferns mosses flowering plants grasses vertebrate animals: fish, birds, mammals, amphibians, reptiles invertebrate animals: snails, worms, slugs, spiders, insects human impact – litter, deforestation, population increase, nature reserves		rock soil fossil organic matter grains crystals sedimentary rock	solid liquid gas temperature heat (heating) cool (cooling) water cycle evaporation condensation melting freezing
Year 5 **Year 6**	variables evidence justify	puberty gestation period	Sexual Asexual Reproduction	life cycles reproduction life processes	properties hardness solubility		

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	accuracy precision scatter graphs bar graphs line graphs argument causal relationship	circulatory system heart lungs blood vessels blood lifestyle disease water transportation nutrient transportation oxygen air breathing exercise diet drugs	Fertilisation Root cuttings	classification microorganisms organisms evolution evolve adaptation variation inherit inheritance	transparency electrical conductivity thermal conductivity magnetism dissolve solution substance separating mixing filtering sieving reversible change burning rusting reactions irreversible change		

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	Earth and Space	Electricity	Forces	Light	Sound		
KS1	seasons seasonal change spring summer autumn winter weather sun sunshine rain snow sleet ice frost fog cloud hot cold storm sky earth night day						
Year 3 **Year 4**		electricity simple circuit light bulb cell wire buzzer switch motor battery series circuit conductor	move movement surfaces forces push pull contact distance magnet bar magnet ring magnet	light dark (absence of light) reflect shadow opaque mirror reflective surface	sound vibration vibrate pitch volume insulation		

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		insulator	horseshoe magnet attract repel poles (of magnets) magnetic materials				
Year 5 **Year 6**	solar system planets: Mercury, Venus, earth, Mars, Jupiter, Saturn, Neptune, Uranus moon stars spherical bodies rotation orbit satellite	voltage components symbols circuit diagram	voltage components symbols circuit diagram gravity air resistance water resistance friction levers pulleys gears springs	light sources periscope			