Science Continuum Language Progression:

Reception:

**This is a working document, words may be added or excluded based on the knowledge of the children and which words may or may not be taught.

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Animal Adventures		I Am A Scientist		Our Beautiful Planet	
Alive grow home minibeast move non-living ocean polar sort woodland zoo compare desert farm group		dark daytime float freeze light loud melt nighttime pull push quiet sink volume		care Earth flower grow human-made leaf natural plant roots seed stem	

Year 1:

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Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Forces and Space (Seasonal Change)	Materials: Everyday Materials	Animals: Sensitive Bodies	Animals: Comparing Animals	Plants: Introduction	Making Connections: Investigations
deciduous tree evergreen tree season weather	absorbent fabric glass group material metal object plastic rock tough waterproof wood	compare group hearing pattern sense(s) sight smell taste touch	amphibian bird carnivore compare diet difference fish group herbivore mammal observe omnivore reptile scientist similarity	bulb deciduous diagram evergreen flower fruit garden plants group growth leaf measure observe roots seed stem trunk	amphibian bird carnivore compare diet difference fish group herbivore mammal material object omnivore pattern reptile season similarity

				wild plants	trunk waterproof weather

Year 2:

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Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Living Things: Habitats	Living Things: microhabitats	Materials: use of everyday materials	Animals Including Humans	Plants: Plant Growth	Making Connections: plant-based materials
alive carnivore dead depend diet energy food chain growth habitat herbivore life processes mammal omnivore predator prey shelter sort	food chain microhabitat minibeast research results test	elastic fabric flexible glass material metal object plastic property rock suitable wood	basic needs egg health hygiene life cycle live young pupa spawn survive teenager toddler tadpole	bulb diagram energy flower germinate growth leaf life cycle measure nutrient observe seed shoot stem	alive dead fabric flexible germinate growth invention life processes material plastic property results seed suitable test waterproof wood

Year 3:

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Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Animals: Movement & Nutrition	Forces and Space: Forces and Magnets	Materials: Rocks and Soil	Energy: light and Shadows	Plants: Plant Reproduction	Making Connections: Hand Span and Strength
balanced diet bone carbohydrate	attract bar chart conclusion contact force diagram	bar chart conclusion crystal diagram fossil	bar chart cast (a shadow) conclusion group	bar chart conclusion female	bar chart bone carbohydrate conclusion

conclusion fat fibre invertebrate joint measure mineral movement muscle nutrient protection protein record research skeleton support vertebrate vitamin	force friction investigation magnet magnetic material magnetism method non-contact force north pole plan results record repel south pole variable	grain group hard hardness observe predict record research rock sediment sedimentary rock sedimentation soft soil	investigation light source luminous measure mirror non-luminous observe opaque mirror pattern predict prove record reflect reflection reflective (shiny) results table shadow the Sun translucent transparent trustworthy variable	flowering plant male pattern (KS1) pollen pollination predict record reproduction results table seed dispersal transport variable	fat friction joint light source muscle opaque predict protein shadow trustworthy variable

Year 4:

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Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Animals Including Humans: Digestion & Food	Energy: Electricity and Circuits	Materials: States of Matter	Energy: Sounds and Vibrations	Living Things: Classification	Making Connections: Flow of Liquid
canine conclusion control variable diagram digest digestive system ethics faeces fair test group incisor	appliance battery/cell bulb buzzer circuit conclusion electrical conductor electrical insulator electricity mains	boiling conclusion condensing degrees Celsius diagram evaporating evaporation rate freezing gas liquid measure	air bar chart eardrum insulator observe pitch plan predict proof record research results table sound	classification key classify conservation deforestation endangered flowering plants group insect	bar chart battery/cell condensing conclusion evaporating gas insect liquid motor precipitation predict solid switch

large intestine molar mouth oesophagus pattern plan premolar producer proof record results table saliva small intestine stomach trustworthy variable	method motor pattern (KS1) power source predict (KS1) property results table switch wire variable	melting precipitation predict rate research solid steam stopwatch temperature thermometer the water cycle	trustworthy vibrations volume	nature reserve non-flowering plants observe pollution research slug snail spider worm	temperature the water cycle trustworthy variable

Year 5:

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Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Materials: Mixtures and Separation	Materials: properties and Changes	Forces & Space: Earth & Space	Living Things: Life Cycles and Reproduction	Forces and Space: Unbalanced Forces	Animals: Investigations
control variable dissolve filtering insoluble mixture sieving soluble solution stopwatch variable	burning control variable conductor electrical conductivity hazard insulator irreversible change method reversible change rust rusting safety	celestial bodies data day/daytime degrees Celsius discovery Earth evidence gravity Jupiter line graph line of best fit Mars Mercury model Moon Neptune	adolescence asexual reproduction characteristic data estimate fertilisation germination gestation gills incubation line graph line of best fit lungs mating metamorphosis offspring ovule	air resistance anomaly balanced control variable data force gear gravity lever line graph line of best fit mean average pivot pulley	control variable data relationship reliable unbalanced variable

	thermal conductivity transparency trustworthy variable	night/nighttime orbit phase planet Pluto Saturn Solar System spherical star temperature testable	pollen pollination reproduction sexual reproduction testable	relationship reliable surface area trustworthy unbalanced variable water resistance	

Year 6:

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Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Living Things: Classification	Energy: light & Reflection	Living Things: Evolution & Inheritance	Energy: Circuits	Animals Including Humans: Circulation and Health	Making Connections: Are some sunglasses safer than others?
classification key classify cold-blooded conifer exoskeleton fern life processes micro-organism moss organism warm-blooded	anomaly conclusion control variable evaluate evidence fair test light ray line graph line of best fit mean average pupil ray diagram reflective relationship reliable scale testable units variable	adaptation anomaly competition control variable environment environmental evaluate evidence evolution extinct fossil gene inherit inheritance mean average model natural selection	anomaly cell circuit diagram control variable current data evaluate evidence fair test hazard mean average model relationship resistance safety units variable voltage	anomaly blood bloodstream blood vessels carbon dioxide circulatory system control variable data drug evaluate evidence fair test heart heart rate line graph mean average model oxygen pulse	Characteristics Luminous Reflect Variable Test Evidence

		parent populatio n reliable selective breeding survival of the fittest theory variable variation		rate relationship reliable secondary source trustworthy variable	