	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EYFS		Animal adventures	I am a scientist!	Our beautiful planet	Changing seasons	
Y1	Investigating science through stories	Everyday materials	Year 1 – Seasonal changes	Animals- Comparing Animals	Plants – Introduction to plants	Animals – Sensitive Bodies
Y2	Habitats	Microhabitats	Use of everyday materials	Life cycles and health	Plant growth	Making connections
Y3	Forces and magnets	Light and shadows	Rocks and soil	Animals, movement and nutrition	Plants	Making connections
Y4	Electricity and circuits	Classification and changing habitats	Sound and vibration	Digestion and food	States of matter	Making connections
Y5	Mixtures and separation	Earth and space	Unbalanced forces	Human timeline Making connections	Properties and changes of materials	Life cycles and reproduction
Y6	Classifying big and small	Evolution and inheritance	Light and reflection	Making connections – Are some sunglasses safer than others	Circuits, batteries and switches	Circulation and health

Animals, including humans	Energy	Forces, Earth and Space	Living things and their habitats	Making connections	Materials	Plants

Key vocabulary

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EYFS		Animal adventures	I am a scientist!	Our beautiful planet	Changing seasons	
Y1	Making connections – Investigating science through stories difference feature fish group herbivore hunt life cycle mammal material measure natural object omnivore pattern predict property reptile season similarity test trunk waterproof weather	Comparing animals amphibian bird block chart body carnivore compare data diet differences feature fish group herbivore hunt mammal observe omnivore pet record reptile research scientist similarities tally	Everyday materials absorbent data fabric glass group material metal object opaque plastic property rock tough transparent waterproof wood	Introduction to plants data deciduous diagram edible evergreen feature fruit flower garden plants grouping growth investigation leaf measure observe plant prediction roots research seed shoot stem trunk wild plants	Seasonal changes conclusion data deciduous tree evergreen tree pictogram predict record season sunrise sunset symbol temperature thermometer weather	Sensitive bodies direction distance feeling group hearing investigation loud obstacle pattern quiet research salty sense senses sensitive sight smell sour sweet taste touch volume
Y2	Making connections – Investigating	Microhabitats	Use of everyday materials	Plant growth	Habitats	Life cycles and health

	science through stories *see above	botanist camouflage characteristics classification key classify comparative/fair test conclusion criteria data food chain identify invertebrate method microhabitat minibeast research results species survey tally test	 bend block graph elastic fabric flexible glass material metal object plastic property pull push record rock squash stretch suitable twist wood	bulb comparative test conclusion condition diagram energy flower germinate growth leaf life cycle measure nutrient observe plant shoot seed seedling seed coat stem wilt	dead depend diet energy excretion food chain growth habitat herbivore life process mammal movement nutrition ocean omnivore predator prey producer rainforest reproduction sensitivity shelter woodland	adult air baby basic needs butterfly child carbohydrates caterpillar dairy egg exercise fitness food frog froglet fruit germs growth health height hygiene lamb life cycle live young measure offspring oils proteins pupa sheep spawn spreads stage

						survive tadpole teenager toddler vegetables water
Y3	Making connections – Investigating science through stories *see above	Forces and magnets attract contact force electromagnet force friction magnet magnetic material magnetism non-contact force non-magnetic material north pole repel south pole	Light and shadows cast a shadow dangerous light source luminous non-luminous opaque protect reflect reflection reflective (shiny) shadow shadow puppet translucent transparent	Plants absorb air animal dispersal carrying conclude disperse dropping eating evaluate female flower fruit germination improve leaves male nutrients petal pollen pollination roots soil seed seed formation	Rocks and soil hardness impermeable igneous rock imprint lava loam soil magma metamorphic rock mineral molten rock organic matter paelantologist peaty soil permeable rate rock sandy sandy soil sediment sedimentary sedimentation silt soft soil	Animals, movement and nutrition energy exoskeleton fat fibre invertebrate joint measure mineral movement muscle nutrient pelvis protection protein ribs skeleton skull spine support vertebrate vitamin water

				shaking space stem/trunk sunlight support testable transport water water dispersal wind dispersal		
Y4	Digestion and food absorb canine carnivore digest faeces food chain herbivore incisor large intestine molar mouth oesophagus omnivore predator premolar prey producer saliva small intestine stomach	Sound and vibration air decibels (dB) decibel meter ear eardrum ear protectors gas hertz (Hz) high pitch insulator of sound liquid loud low pitch matter medium musical instrument pitch quiet solid sound	States of matter boiling point climate change compress condensation condensing condensing point drought evaporating evaporation rate flood force freezing freezing point gas gaseous liquid matter melting melting point precipitation	Electricity and circuits ammeter appliance battery bulb buzzer cell circuit component electrical conductor electrical insulator electricity hazard mains material motor power source precaution property safety	Making connections – How does the flow of liquids compare? bar chart condensing cell/battery conclusion evaluate evaporating gas insect liquid medicine motor pharmacology pharmacologist precipitation predict solid switch temperature	Classification and changing habitats Carroll diagram classification key classify conservation conservationist deforestation earthquake endangered flood flowering plants human impact invertebrate observe nature reserve non-flowering plants pollution seasonal changes taxonomist uprooted

		sound proofing vibration volume	rate solid state steam temperature thermometer the water cycle	series circuit switch wire	the water cycle trustworthy variable viscosity water vapour	vertebrate Venn diagram waterlogged wildfire

Y5	Mixtures and separation control variable crystallising dissolve evaporation evaporation method filtering insoluble mixture particle sieve sieving soluble solution variable	Earth and space artificial satellite axis calibrate celestial bodies climate change day daytime (daylight) data Earth elliptical face first quarter moon force full moon gnomon gravity horizon Jupiter last quarter moon Mars Mercury midday moon natural satellite Neptune new moon night (nighttime) phase planet Pluto orbit	Unbalanced forces aerodynamics air resistance amplify balanced contact force distance effort force friction gear gravity lever load machine mass matter non-contact force pivot pulley streamlining surface area unbalanced water resistance	Human timeline adolescence adolescent adult adulthood child childhood foetus gestation period hormones infant life cycle newborn old age period (menstruation) puberty toddler	Properties and changes of materials burning change of state circumference condensing conductor dissolve electrical conductivity evaporating freezing hard hardness insulator irreversible change light intensity light meter melting mixture opaque property reversible change rust rusting soft states of matter trustworthy thermal conductivity translucent transparency transparent	Life cycles and reproduction adolescence adult amphibian asexual reproduction bird birth bulb carnivore characteristic chrysalis cocoon conclusion cuttings egg estimating extrapolating fertilisation fledgling flowering stage four-legged tadpole four-stage life cycle frog froglet germination stage gestation gills hatch hatchling herbivore incubation

		our Solar System reflect rotate Saturn season shadow Solar System space space junk spherical star summer sundial sunrise sunset table the Sun the Moon tilt Uranus Venus winter year		Making connections - Does the size of an asteroid affect its impact strength? accurate air resistance asteroid celestial bodies conclusion crater diameter evaluate fair test force gravity hardness material predict property spherical reliable trustworthy variable		infancy insect juvenile larva leaf growing stage life cycle line graph line of best fit lungs mammal mating metamorphosis nest nestling newborn nymph offspring ovule pollen pollination predict pupa reproduction seed dispersal seed stage seedling stage seed sexual reproduction species tadpole three-stage life cycle tuber two-legged tadpole

Y6	Classifying big and small characteristic classify classification key cold-blooded conifer exoskeleton fern fish flowering plant insect invertebrate life process Linnaean system mammal micro-organism microscopic moss organism reptile snail spider vertebrate warm-blooded worm	Evolution and inheritance adaptation ancestor characteristic competition environmental evidence evolution extinct fossil gene habitat inherit natural selection offspring peer review population reproduce scientific theory selective breeding species specimen survival survival of the fittest variation	Light and reflection cast incoming ray light ray light source luminous mirror non-luminous opaque periscope pupil ray diagram reflected ray reflective shadow straight	Making connections – Are some sunglasses safer than others adaptation amphibian bar chart bird bulb characteristic circuit circuit diagram classify component conclusion control variable electrical circuit evaluate evidence fish habitat health inherit insect invertebrate lifestyle light ray light source luminous mammal method opaque	Circuits, batteries and switches ammeter appliance battery bulb buzzer cell circuit circuit diagram component current electricity motor power source resistance switch voltage voltmeter wire	Circulation and health balanced diet blood bloodstream blood vessels carbon dioxide circulatory system diet drug exercise fitness health heart heart rate lifestyle lungs mass nutrient oxygen pulse pump (verb) rate resting heart rate transport water

				predict reflection refute reptile support translucent transparent trustworthy ultraviolet unit variable vertebrate		

Vocabulary has been taught previously