

[Vocabulary whole school progression - Science

Year Group	Key concepts	Working scientifically
EYFS	Magnets Liquid Solid Float Sink Freeze Melt Grow Plant Cress Beanstalk Shoot Stem Seed Soil Light Dark Torch Shadow Environment Body part names Seasons Spring Summer Autumn Winter Change Bake / Cook Bread Hot Cold Animal Vet Pet Home Pond	Question Predict Observe Similarities Differences Explore

	<p> Frogspawn Tadpole Froglet Frog Beach combing Egg Chick Chicken Life cycle Caterpillar Cocoon / Chrysalis </p>	
Year 1	<p> Plants Trees Deciduous - taught in Summer 2 linked to tree adoption Evergreen - taught in Summer 2 linked to tree adoption Leaves Flowers Blossom Petals Fruit Roots Stem Bulb Seed Trunk Sunflower Tulip Daffodil Rose Daisy Dandelion Fish Amphibians Reptiles Birds Mammals Head Neck Arms </p>	<p> Questions Observing Equipment Simple tests Identify Classify Gather data - Geography Summer 1 link Record data - Geography Summer 1 link Hand lens Patterns </p>

	<p>Elbows Legs Knees Face Ears Hair Mouth Teeth Senses</p> <p>Wood Plastic Glass Metal Water Rock Hard Soft Shiny Dull Stretchy Stiff Rough Smooth Bendy Waterproof Material</p> <p>Seasons Spring Summer Autumn Winter Weather</p>	
Year 2	<p>Habitat Environment Natural Shelter Microhabitat Food chain Living Dead</p> <p>Seeds Bulbs</p>	<p>Questions Observing Equipment Simple tests Identify Classify Gather data Record data Hand lens Patterns</p>

	<p> <i>Temperature</i> <i>Water</i> <i>Light</i> Animals Humans Fish Amphibians Reptiles Birds Mammals Offspring Exercise Hygiene <i>Materials</i> <i>Wood</i> <i>Metal</i> <i>Plastic</i> <i>Glass</i> <i>Rock</i> <i>Brick</i> <i>Paper</i> <i>Cardboard</i> <i>Squash</i> <i>Bend</i> <i>Twist</i> <i>Stretch</i> </p>	
Year 3	<p> Plant Root Stem Trunk Leaves Flowers Air Light Water Nutrients Soil Transport Life cycle Pollination Seed formation Seed dispersal </p>	<p> Questions Scientific enquiry Pattern seeking Fair test Comparative test Secondary research Identify and classify Observing over time Practical enquiries Accurate measurements Standard measurements Diagrams Tables Bar charts Conclusions Predictions </p>

	<p>Reproduction</p> <p>Poppy</p> <p>Iris</p> <p>Orchid</p> <p>Nutrition</p> <p>Skeleton</p> <p>Muscles</p> <p>Support</p> <p>Protection</p> <p>Vertebrate</p> <p>Invertebrate</p> <p>Carnivore</p> <p>Herbivore</p> <p>Omnivore</p> <p>Movement</p> <p>Healthy</p> <p>Contract</p> <p>Relax</p> <p>Eatwell guide</p> <p>Rocks</p> <p>Organic matter</p> <p>Soil</p> <p>Sedimentary</p> <p>Metamorphic</p> <p>Igneous</p> <p>Fossil</p> <p>Magma</p> <p>Lava</p> <p>Sediment</p> <p>Light</p> <p>Dark</p> <p>Reflection</p> <p>Reflective</p> <p>Torch</p> <p>Shadow</p> <p>Sun</p> <p>Light source</p> <p>Mirror</p> <p>Eyes</p> <p>Retina</p> <p>Opaque</p> <p>Translucent</p>	<p>Evidence</p>
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	<p>Transparent</p> <p>Magnet</p> <p>Force</p> <p>Attract</p> <p>Repel</p> <p>Pole</p> <p>North</p> <p>South</p> <p>Bar</p> <p>Ring</p> <p>Button</p> <p>Horse shoe</p> <p>Magnetic</p> <p>Magnetic Field</p> <p>Friction</p> <p>Engineers</p> <p>Engineer</p> <p>Civil</p> <p>Mechanical</p> <p>Electrical</p> <p>Aerospace</p> <p>Truss</p> <p>Beam</p> <p>Suspension</p> <p>Wind turbines</p>	
Year 4	<p>Classification</p> <p>Organism</p> <p>Living things</p> <p>Movement</p> <p>Sensitivity</p> <p>Growth</p> <p>Nutrition</p> <p>Reproduce</p> <p>Respire</p> <p>Excrete</p> <p>Environment</p> <p>Venn diagram</p> <p>Carroll diagram</p> <p>Classification key</p> <p>Vertebrate</p> <p>Invertebrate</p> <p>Flowering plants</p>	<p>Questions</p> <p>Scientific enquiry</p> <p>Pattern seeking</p> <p>Fair test</p> <p>Comparative test</p> <p>Secondary research</p> <p>Identify and classify</p> <p>Observing over time</p> <p>Practical enquiries</p> <p>Accurate measurements</p> <p>Standard measurements</p> <p>Diagrams</p> <p>Tables</p> <p>Bar charts</p> <p>Conclusions</p> <p>Predictions</p> <p>Evidence</p>

	Non-flowering plants Ferns Mosses Nature reserve Pollution Development Litter Deforestation Habitat Minibeast Digestive system Oesophagus Stomach Pancreas Mouth Tongue Large intestine Small intestine Colon Incisor Canine Molar Producer Predator Prey Food chain Herbivore Carnivore Decay Materials Solid Liquid Gas Particles Heated Cooled Temperature Degrees Celsius Thermometer Evaporation Condensation Water cycle	Thermometers
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	Precipitation Sound Vibrate Pitch Volume Amplitude Sound source Sound waves Electricity Appliances Mains Battery Cell Wire Switch Bulb Buzzer Simple circuit Conductor Insulator Mains Battery	
Year 5	Mammal Amphibian Insect Bird Life cycle Reproduction Butterfly Caterpillar Larvae Egg Pupa Chrysalis Stigma Stamen Roots Petals Stem Trunk Anther Ovaries	Questions Scientific enquiry Pattern seeking Fair test Comparative test Secondary research Identify and classify Observing over time Variables Classification keys Measurement Accuracy Repeat readings Bar graphs Line graphs Scatter diagrams Classification keys Causal relationships Scientific evidence

	Sepal Fertilisation Germination Chrysanthemums Hyacinth Bluebell Snowdrop Human Develop Puberty Gestation period Growth Development Length Mass Materials Hardness Solubility Transparency Conductivity Electrical Thermal Dissolve Solution Substance Separation Sieving Filter Evaporate Reversible reaction Irreversible reaction Burning Melting Space Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune	
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	Dwarf planets Moon Sun Spherical Day Night Orbit Rotation Solar system Sun dials Force Gravity Air resistance Water resistance Friction Mechanisms Levers Pulleys Gears Effect Buoyancy	
Year 6	Microorganisms Plants Animals Invertebrates Vertebrates Insects Spiders Snails Worms Fish Amphibians Reptiles Birds Mammals Classification key Habitat Circulatory system Heart Blood vessels Blood Diet	Questions Scientific enquiry Pattern seeking Fair test Comparative test Secondary research Identify and classify Observing over time Variables Classification keys Measurement Accuracy Repeat readings Bar graphs Line graphs Scatter diagrams Classification keys Causal relationships Scientific evidence

Exercise
Drugs
Lifestyle
Nutrients
Water
Organs
Skeletal
Muscular
Digestive
Health
Evolution
Inheritance
Offspring
Adaptation
Advantages
Disadvantages
Variation
Chromosome
Genes
DNA

Fossils
Light
Light source
Reflect
Shadow
Periscope
Rainbow
Filters
Refraction
Electricity
Voltage
Buzzer
Lamp
Symbols
Circuit
Cells
Current
Components
Series circuit

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