

# 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>	
<p>Year 1</p>	<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  Wood  Plastic  Glass  Metal  Water  Rock  Hard  Soft  Shiny  Dull  Stretchy  Stiff  Rough  Smooth  Bendy  Waterproof  Material  Seasons  Spring  Summer  Autumn  Winter  Weather</p>	
<p>Year 2</p>	<p>Habitat  Environment  Natural  Shelter  Microhabitat  Food chain  Living  Dead  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>	
<p>Year 3</p>	<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 Poppy Iris Orchid Nutrition Skeleton Muscles Support Protection Vertebrate Invertebrate Carnivore Herbivore Omnivore Movement Healthy Contract Relax Eatwell guide Skull Jaw Ribcage Spinal column Pelvis Femur Knee cap Collar bone Shoulder blade Humerus Ulna Radius Hip Fibula Tibia Rocks Organic matter Soil Sedimentary Metamorphic Igneous Fossil Magma</p>	<p>Evidence</p>
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	<p>Lava  Sediment  Light  Dark  Reflection  Reflective  Torch  Shadow  Sun  Light source  Mirror  Eyes  Retina  Opaque  Translucent  Transparent  Magnet  Force  Attract  Repel  Pole  North  South  Bar  Ring  Button  Horse shoe  Magnetic  Magnetic Field  Friction  Engineers  Engineer  Civil  Mechanical  Electrical  Aerospace  Truss  Beam  Suspension  Wind turbines</p>	
Year 4	Classification Organism	Questions Scientific enquiry

Living things  
Movement  
Sensitivity  
Growth  
Nutrition  
Reproduce  
Respire  
Excrete  
Environment  
Venn diagram  
Carroll diagram  
Classification key  
Vertebrate  
Invertebrate  
Flowering plants  
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

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  
Evidence  
Thermometers

	<p> <i>Carnivore</i>  <i>Decay</i>  Materials  Solid  Liquid  Gas  Particles  Heated  Cooled  Temperature  Degrees Celsius  Thermometer  Evaporation  Condensation  Water cycle  Precipitation  <i>Sound</i>  <i>Vibrate</i>  <i>Pitch</i>  <i>Volume</i>  <i>Amplitude</i>  <i>Sound source</i>  <i>Sound waves</i>  Electricity  Appliances  Mains  Battery  Cell  Wire  Switch  Bulb  Buzzer  Simple circuit  Conductor  Insulator  Mains  Battery </p>	
<p>Year 5</p>	<p> Mammal  Amphibian  Insect  Bird  Life cycle </p>	<p> Questions  Scientific enquiry  Pattern seeking  Fair test  Comparative test </p>



Reproduction  
Butterfly  
Caterpillar  
Larvae  
Egg  
Pupa  
Chrysalis  
Stigma  
Stamen  
Roots  
Petals  
Stem  
Trunk  
Anther  
Ovaries  
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

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

	<p>Filter  Evaporate  Reversible reaction  Irreversible reaction  Burning  Melting  Space  Mercury  Venus  Earth  Mars  Jupiter  Saturn  Uranus  Neptune  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</p>	
Year 6	<p>Microorganisms  Plants  Animals  Invertebrates  Vertebrates  Insects</p>	<p>Questions  Scientific enquiry  Pattern seeking  Fair test  Comparative test  Secondary research</p>

Spiders  
Snails  
Worms  
Fish  
Amphibians  
Reptiles  
Birds  
Mammals  
Classification key  
Habitat  
Circulatory system  
Heart  
Blood vessels  
Blood  
Diet  
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

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

	<p>Periscope Rainbow Filters Refraction Electricity Voltage Buzzer Lamp Symbols Circuit Cells Current Components Series circuit</p>	
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