



Science Core Curriculum
Year 1

Unit	Animals including humans About me About animals	Plants	Materials Uses of everyday materials Exploring everyday materials	Seasonal changes
Substantive Knowledge	<ul style="list-style-type: none">• Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals• Identify and name a variety of common animals that are carnivores, herbivores and omnivores• Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets)• Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense	<ul style="list-style-type: none">• Become familiar with common names of flowers and plant structures including seeds.• Identify and describe the basic structure of a variety of common flowering plants, including trees Become familiar with common names of flowers and plant structures.• Identify and name a variety of common wild and garden plants.• Identify and name a variety of deciduous and evergreen trees.• Understand how plants change over time• Observe the growth of planted flowers Become familiar with plant structures Keep records of how plants change over time	<ul style="list-style-type: none">• Distinguish between an object and the material from which it is made Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock• Describe the simple physical properties of a variety of everyday materials• Compare and group together a variety of everyday materials on the basis of their simple physical properties	<ul style="list-style-type: none">• Observe changes across the 4 seasons• Observe and describe weather associated with the seasons and how day length varies

<p>Disciplinary knowledge</p>	<ul style="list-style-type: none"> • Observe closely, using simple equipment • Identify and classify • Use their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions. 	<ul style="list-style-type: none"> • Ask simple questions • Observe closely and use simple equipment • Use their observations and ideas to suggest answers to questions • Identify and classify • Compare and contrast familiar plants • Draw diagrams showing the parts of different plants, including tree • Gather and record data 	<ul style="list-style-type: none"> • Perform simple tests • Observe closely, using simple equipment • Identify and classify • Asking simple questions and recognise that they can be answered in different ways • Gather and record data to help in answering questions 	<ul style="list-style-type: none"> • Perform simple tests • Use their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions. • Identifying and classifying
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<p>Key Vocab</p>	<p>Animals including humans about me :</p> <p>head body skeleton limb joint brain eyelash eye sight pupil sound ear sign language vibration deafness tongue mouth taste flavour sweet touch fingertips skin organ brain smell odour nose nostril nose hair</p>	<p>About animals :</p> <p>fish amphibian reptile mammal bird feather warm-blooded characteristic backbone hatchling amphibian reptile gills scale cold-blooded herbivore carnivore omnivore predator canines pet wild shelter veterinary natural similarities differences compare unsuitable climate</p>	<p>Plant Rocket :</p> <p>seed plant tree soil predict stem petal leaf root flower environment weed daisy dandelion wild deciduous evergreen seasons branch bush supermarket fruit vegetable farm tractor growth seedling young plant adult plant observe</p>	<p>Materials:</p> <p>material fabric wood plastic metal object glass property brick elastic property opaque transparent dull stiff natural man made factory rubber polyester predict float sink submerge buoyant absorbent sponge waterproof umbrella soak</p>	<p>Materials:</p> <p>solid strong brick clay wind waterproof absorbent non-absorbent roof slate transparent opaque suitable window pane window frame fabric furniture cotton mattress soft wool weather jumper suitable waterproof evaluate material properties tile garden</p>	<p>Seasonal Changes:</p> <p>season spring summer autumn winter autumn hibernate weather protect harvest winter weather frost sleet temperature spring compare changes grow chick summer warm sun protection temperature heatwave rainfall measuring record results graph</p>
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