

Science Year Planner Year 1

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic or Stand-Alone?	Topic	Stand alone	Stand alone	Topic	Topic	Topic
Enquiry Questions:	<i>Which material would be the most suitable to make Ted's umbrella from?</i>	<i>What are the observational changes from autumn to winter? Which animals live in the Arctic?</i>	<i>What are the observational changes from winter to spring? How much rain falls in a week?</i>	<i>What do plants need to grow?</i>	<i>What do different parts of the body do? How do our senses work?</i>	<i>How can we identify and name a variety of common animals that are carnivores, herbivores and omnivores?</i>
Science Knowledge NC Focus	(Summer to autumn) Materials unit	Seasons (Autumn to winter) Animals including humans (1 Objective)	Seasons (Winter to spring)	Plants	Seasons (Spring to summer) Animals, including humans	Animals, including humans
Working Scientifically NC Focus:	<ul style="list-style-type: none"> asking simple questions and recognising that they can be answered in different ways observing closely, using 	<ul style="list-style-type: none"> asking simple questions and recognising that they can be answered in different ways observing closely, using simple equipment 	<ul style="list-style-type: none"> observing closely, using simple equipment performing simple tests using their observations and ideas to suggest 	<ul style="list-style-type: none"> asking simple questions and recognising that they can be answered in different ways observing closely, using simple equipment 	<ul style="list-style-type: none"> asking simple questions and recognising that they can be answered in different ways observing closely, using simple equipment 	<ul style="list-style-type: none"> asking simple questions and recognising that they can be answered in different ways

	<ul style="list-style-type: none"> simple equipment performing simple tests using their observations and ideas to suggest answers to questions 	<ul style="list-style-type: none"> using their observations and ideas to suggest answers to questions gathering and recording data to help in answering questions 	<ul style="list-style-type: none"> answers to questions gathering and recording data to help in answering questions 	<ul style="list-style-type: none"> performing simple tests identifying and classifying using their observations and ideas to suggest answers to questions 	<ul style="list-style-type: none"> performing simple tests identifying and classifying 	<ul style="list-style-type: none"> observing closely, using simple equipment identifying and classifying using their observations and ideas to suggest answers to questions gathering and recording data to help in answering questions
Sequence of learning.	<p>L1 Identifying different materials around us.</p> <p>L2 Exploring the difference between a material and an object.</p> <p>L3 + 4 Thinking about why some materials are better for some objects than others.</p>	<ul style="list-style-type: none"> Linked to Geography unit on seasons. <p>L1 - Order the months of the year and recognise seasons.</p> <p>L2 - Spot the differences between the seasons. (Autumn to winter)</p> <p>L3 - Find clues to decide which season we are in. (Autumn)</p>	<ul style="list-style-type: none"> Linked to Geography unit on seasons. <p>L1 - identify the types of clothing worn in different weather.</p> <p>L2 - observe changes across the four seasons (winter).</p>	<p>L1 - To find out what a plant is. (Plant runner beans)</p> <p>L2 - To identify and describe garden plants.</p> <p>L3 To identify and describe wild plants.</p> <p>L4 - To identify and describe a range of trees.</p>	<p>L1 - To be able to identify, name and label body parts.</p> <p>L2 - To explore what parts of our bodies we use for different activities.</p> <p>L3 - To find out about the five senses, in particular the sense of sight.</p>	<p>L1 - To be able to identify and name a variety of common animals.</p> <p>L2 - To be able to identify and name a variety of common UK mammals.</p> <p>L3 - To be able to identify and compare a variety of</p>

	<p>L5 Doing an experiment to find out which materials are waterproof. L6 Thinking about what we have learnt about materials.</p>	<p>Related to our English: Identify and name a variety of common animals including birds and mammals from the Arctic.</p>	<p>L3 - observe and describe weather associated with the seasons (winter) and how day length varies.</p>	<p>L5 - To identify the different parts of a plant. (Runner bean) Running across the half term - To make observations of growing plants. A bean diary.</p>	<p>L4 - To find out about the five senses, in particular the sense of touch. L5 - To find out about the five senses, in particular the sense of smell and taste. L6 - To find out about the five senses, in particular the sense of sound.</p>	<p>common UK birds and reptiles. L4 - To be able to identify and compare a variety of common UK fish and amphibians. L5 - To be able to identify and sort carnivores, herbivores and omnivores. L6 - To be able to take care of animals. L7 - To collect data about animals and answer questions.</p>
Vocabulary:	<p>Wood Plastic Glass metal Water Rock Hard Soft Stretchy</p>	<p>Autumn Winter Seasons Weather daylight Winter Autumn September October</p>	<p>Autumn Winter Seasons Weather daylight Winter Autumn September October</p>	<p>Flower Petal Stem Leaf Trunk Bark Seed Root Soil</p>	<p>senses, sight, taste, hearing, touch, smell,</p>	<p>Diet, structure, features, mammals, fish, birds, reptiles, amphibians, sort, legs, skin, hair, feathers, scales, omnivores,</p>

	<p>Stiff Shiny Dull Rough Smooth Bendy Not bendy Waterproof Not waterproof Absorbent Not absorbent Brick Paper Fabric Elastic foil</p> <p>Investigation prediction Predict watch test record, sensible results decision.</p>	<p>November December January February common animals including fish, amphibians, reptiles, birds and mammals</p> <p>Investigation prediction Predict watch test record, sensible results decision.</p>	<p>November December January February</p> <p>Investigation prediction Predict watch test record, sensible results decision.</p>	<p>Sunlight Growth Water Fruit Branch Deciduous Wild evergreen</p> <p>Investigation prediction Predict watch test record, sensible results decision.</p>	<p>test, fair, identify classify Investigation prediction Predict watch record, sensible results decision.</p>	<p>herbivores, carnivores, vertebrate, metamorphosis</p> <p>Identify Classify Investigate record</p>
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