

Units	Animals Including Humans: All About Me	Seasonal Changes	Everyday Materials	Exploring Everyday Materials 2	Animals Including Humans: All About Animals	Plants	Science Fair
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National Curriculum:	<ul style="list-style-type: none"> Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. Identify and describe the basic structure of a variety of common flowering plants, including trees. 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. 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. Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies. 				<p>Working scientifically</p> <p>Statutory requirements</p> <p>During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:</p> <ul style="list-style-type: none"> asking simple questions and recognising that they can be answered in different ways observing closely, using simple equipment performing simple tests identifying and classifying using their observations and ideas to suggest answers to questions gathering and recording data to help in answering questions. 		
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Unit Link	Animals Including Humans: All About Me 	Seasonal Changes 	Exploring Everyday Materials 1 	Exploring Everyday Materials 2 	Animals Including Humans: All About Animals 	Plants 	Science Fair Entry Enquiry Focus
Scientist	Florence Nightingale 	Clare Nasir 	Dr Raquel Prado 	Charles Macintosh 	Steve Backshall 	Alan Titchmarsh 	

Area Focus	Biology	Physics	Chemistry	Chemistry	Biology	Biology	
Enquiry Approach	 Identifying, Grouping and Classifying  Pattern Seeking  Research	 Identifying, Grouping and Classifying  Observations Over Time  Pattern Seeking	 Identifying, Grouping and Classifying  Comparative/Fair Testing	 Comparative/Fair Testing  Problem Solving  Identifying, Grouping and Classifying	 Identifying, Grouping and Classifying	 Observations Over Time  Identifying, Grouping and Classifying	
Resources	Pencils Felt tips Wallpaper Blindfolds Instruments Bread Honey/jam Marmite Lemon juice Fruits/vegetables Mystery boxes Feely bags Smell pots/containers Various smells	Rain gauges Drawing and colouring resources	Feely bag Fabric Wood Plastic Metal Wooden chair Plastic bottles Rubber bands Tin can Bowls Sponges Paper towels Cloth Tin foil Plastic bags Trays	Hair dryer Adhesives Assortment of materials (house building) Assortment of waterproof materials (roof building) Clear plastic Acetate Card Seasonal clothing	Venn diagrams	Seeds Planting equipment Cups Soil Labels Story: Jack and the beanstalk 2-3 fully grown plants in pots Coloured card Clipboards Magnifying glasses Leaf rubbings paper crayons	
Key Concepts	There is a relationship between structure and function.	Knowledge in this unit will later inform understanding of the key concept that: The movement of earth affects the seasons and times of day.	There is a relationship between structure and function. Living and non-living things can be grouped in a variety of ways.	There is a relationship between structure and function.	There is a relationship between structure and function. Living and non-living things can be grouped in a variety of ways.	There is a relationship between structure and function. Living and non-living things can be grouped in a variety of ways.	

Knowledge

Lesson 1: Discover basic parts of the human body

I can identify, name, draw and label the basic parts of the human body.

Lesson 2: Learn about your eyes and sight

I can say which part of the body is associated with each sense (eyes and sight).

Lesson 3: Learn about your ears and hearing

I can say which part of the body is associated with each sense (ears and hearing).

Lesson 4: Explore the tongue and taste

I can say which part of the body is associated with each sense (tongue and taste).

Lesson 5: Explore your sense of touch

I can say which part of the body is associated with each sense (touch).

Lesson 6: Discover how your nose smells.

I can say which part of the body is associated with each sense (nose and smell)

Lesson 1: Understand there are four seasons

I can identify and describe changes across the four seasons.

Lesson 2: Understand the changes that take place in autumn

I can observe and describe seasonal changes in autumn.

Lesson 3: Investigate how you can measure rainfall

I can observe and describe rainfall associated with the seasons.

Lesson 4: Understand the changes that take place in winter

I can observe and describe seasonal changes in winter.

Lesson 5: Understand the changes that take place in spring

I can observe and describe seasonal changes in spring.

Lesson 6: Understand the changes that take place in summer

I can observe and describe how day length varies across the four seasons.

Lesson 1: Identify and name a variety of everyday materials

I can identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock.

Lesson 2: Distinguish between and object and the material it is made from

I can distinguish between an object and the material it is made from.

Lesson 3: Describe the properties of everyday materials

I can describe the simple physical properties of a variety of everyday materials.

Lesson 4: Predict and identify if an object will sink or float

I can compare and group together a variety of everyday materials on the basis of their simple physical properties (floating and sinking).

Lesson 5: Explore which materials are best for different objects

I can describe the simple physical properties of everyday materials and decide which materials are best for different objects.

Lesson 1: Build a structure strong enough to withstand wind

I can describe the simple physical properties (strength) of a variety of everyday materials.

Lesson 2: Build a waterproof structure

I can compare and group together a variety of everyday materials on the basis of their simple physical properties (waterproof).

Lesson 3: Understand the properties of glass and its uses

I can describe the simple physical properties (transparency) of a variety of everyday materials.

Lesson 4: Understand that materials are used to create a variety of furniture

I can describe the simple physical properties (fabric) of a variety of everyday materials.

Lesson 5: Explain the uses of materials and why they are suitable

I can describe the simple physical properties of a variety of everyday materials.

Lesson 1: Discover animal families

I can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals

Lesson 2: Learn about the differences between mammals and birds

I can describe and compare the structure of a variety of common animals (mammals and birds)

Lesson 3: Learn about the differences between amphibians, reptiles and fish

I can describe and compare the structure of a variety of common animals (amphibians, reptiles and fish)

Lesson 4: Discover the type of food living things eat

I can identify and name a variety of common animals that are carnivores, herbivores and omnivores

Lesson 5: Explore the difference between wild animals and pets

I can describe and compare the structure of a variety of common animals (including pets).

Lesson 1: Understand that seeds grow into plants

I can identify and name a variety of garden plants

Lesson 2: Identify the basic parts of a plant

I can identify and describe the basic structure of a variety of common flowering plants

Lesson 3: Identify common wild plants

I can identify and name a variety of common wild plants

Lesson 4: Know the difference between deciduous and evergreen trees

I can identify and name a variety of deciduous and evergreen trees

Lesson 5: Explain how plants change over time

I can identify and describe the basic structure of plants.

Skills

Lesson 1:



Recording data, results and findings

Lesson 2:



Observing and Measuring

Lesson 3:



Recording data, results and findings

Lesson 4:



Setting up tests

Lesson 5:



Observing and Measuring

Lesson 6:



Recording data, results and findings

Lesson 1:



Recording data, results and findings

Lesson 2:



Recording data, results and findings

Lesson 3:



Recording data, results and findings

Lesson 4:



Recording data, results and findings

Lesson 5:



Recording data, results and findings

Lesson 6:



Recording data, results and findings

Lesson 1:



Observing and Measuring

Lesson 2:



Recording data, results and findings

Lesson 3:



Recording data, results and findings

Lesson 4:



Making Predictions.

Lesson 5:



Setting up tests

Lesson 1:



Setting up tests

Lesson 2:



Setting up tests

Lesson 3:



Observing and Measuring

Lesson 4:



Observing and Measuring

Lesson 5:



Evaluating

Lesson 1:



Recording data, results and findings

Lesson 2:



Recording data, results and findings

Lesson 3:



Observing and Measuring

Lesson 4:



Recording data, results and findings

Lesson 5:



Recording data, results and findings

Lesson 1:



Making Predictions.

Lesson 2:



Observing and Measuring

Lesson 3:



Recording data, results and findings

Lesson 4:



Observing and Measuring

Lesson 5:



Interpreting and Communicating Results

<p>Vocabulary</p>	<p>body skeleton (various parts of the body) senses see eye pupil brain sight eyelash hear ear deafness sound sign language feel smell nose hair nostril odour nose smell touch fingertips brain skin taste flavour sweet mouth tongue</p>	<p>season temperature weather sleet graph spring summer autumn winter harvest hibernate protect frost changes chick grow compare warm sun protection heatwave measuring record rainfall results</p>	<p>metal wood material fabric plastic brick object glass rock dull properties rubber hard/soft stretchy/stiff shiny/dull rough/smooth bendy/not bendy waterproof absorbent opaque/transparent sink/float</p>	<p>strong wind clay brick solid slate roof non-absorbent waterproof absorbent opaque window frame window pane suitable transparent fabric cotton furniture mattress hard/soft evaluate material garden tile properties</p>	<p>bird amphibian mammal reptile fish feather warm-blooded hatchling warm-blooded characteristic reptile gill amphibian scale cold-blooded predator herbivore omnivore carnivore natural shelter pet veterinary wild</p>	<p>tree flower plant grow seed flower root petal leaf stem dandelion daisy buttercup weed wild seasons deciduous evergreen bush branch seed seedling growth adult plant life cycle change</p>	
<p>Career Links</p>	<p>doctor</p>	<p>meteorologist</p>	<p>carpenter</p>	<p>textile artist</p>	<p>vet</p>	<p>gardener</p>	