

Science



Y1 Autumn 1	Plants – Identifying and naming			Resources
	<u>Scientific vocabulary:</u> <i>wild/garden plants, deciduous, evergreen, bulb, seed, trunk, branch, stem</i>			Specific plants and trees identified within school environment and local area
Science skills Developed through: • Observing over time • Identifying, grouping and classifying • Pattern Seeking • Making and developing ideas • Comparative and fair testing • Researching using secondary sources • Drawing conclusions and making predictions	What we want children to know : Focus scientists Stem careers:			
	• Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.	Arit Anderson Tom Hart Dyke Poppy Okotcha	• Gardener, tree surgeon, horticulturalist	
Skills • Identifying, classifying and grouping	Assessment			

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Y1 Autumn 2	Animals, including humans	Resources
	<u>Scientific vocabulary:</u> <i>Fish, amphibians, reptiles, birds, mammals, carnivores, herbivores, habitat, environment</i>	
Science skills Developed through: • Observing over time • Identifying, grouping and classifying • Pattern Seeking • Making and developing ideas • Comparative and fair testing • Researching using secondary sources • Drawing conclusions and making predictions	What we want children to know:	
	Focus scientists	Stem careers:

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Y1 Spring 1	Plants - structure	Resources			
	<u>Scientific vocabulary:</u> <i>deciduous, evergreen, structure, habitat, growth, flowers, petals, roots, bulb</i>				
Science skills Developed through: • Observing over time • Identifying, grouping and classifying • Pattern Seeking • Making and developing ideas • Comparative and fair testing • Researching using secondary sources • Drawing conclusions and making predictions	What we want children to know: Focus scientists Stem careers:				
	<table><tr><td> • Identify and describe the basic structure of a variety of common flowering plants, including trees. </td><td> • Arit Anderson • Tome Hart Dyke • Poppy Okotcha </td><td> • Gardener • Tree surgeon • Horticulturalist </td></tr></table>		• Identify and describe the basic structure of a variety of common flowering plants, including trees.	• Arit Anderson • Tome Hart Dyke • Poppy Okotcha	• Gardener • Tree surgeon • Horticulturalist
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<table><tr><td>Skills • Observing over time </td><td>Assessment</td></tr></table>		Skills • Observing over time	Assessment		
Skills • Observing over time	Assessment				

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Y1 Spring 2	Animals, including humans			Resources
	<u>Scientific vocabulary:</u> <i>senses (nose, ears, hands, mouth, eyes), fish, amphians, retiles, birds, mammal, carnivore, herbivore, environment</i>			
Science skills Developed through: • Observing over time • Identifying, grouping and classifying • Pattern Seeking • Making and developing ideas • Comparative and fair testing • Researching using secondary sources • Drawing conclusions and making predictions	What we want children to know :		Focus scientists	Stem careers:
	• 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.	• Dr Nina Tandon • David Attenborough • Chris Packham	• Fisherman/woman • Zookeeper • Horse-rider	
	Skills • Identifying, classifying and grouping		Assessment	

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Y1 Summer 1 and 2	Materials			Resources
	<u>Scientific vocabulary:</u> materials, hard/soft, stretchy/firm, stiff/flexible, shiny/dull, roguh/smooth, bendy, waterproof/absorbent, opaque/transparent			
Science skills Developed through: • Observing over time • Identifying, grouping and classifying • Pattern Seeking • Making and developing ideas • Comparative and fair testing • Researching using secondary sources • Drawing conclusions and making predictions	What we want children to know :		Focus scientists	Stem careers:
	• 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		• Alexandre Birman • Henry Ford	• waste collector • carpenter • builder
	Skills • Observing		Assessment	