

Year 1 Science

Plants	Seasons	Animals including Humans	Materials	Working scientifically
P1 I can identify and name a variety of common wild and garden plants, including deciduous and evergreen.	S1 I can observe changes across the four seasons.	A1 I can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.	M1 I can distinguish between an object and the material from which it is made	W1 I can ask simple questions and recognise that they can be answered in different ways
P2 I can identify and describe the basic structure of a variety of common flowering plants, including trees.	S2 I can observe and describe weather associated with the seasons and how day length varies	A2 I can identify and name a variety of common animals that are carnivores, herbivores and omnivores	M2 I can identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.	W2 I can use scientific language and read and spell age-appropriate scientific vocabulary □
		A3 I can describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).	M3 I can describe the simple physical properties of a variety of everyday materials.	W3 I can begin to notice patterns and relationships
		A4 I can identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	M4 I can compare and group together a variety of everyday materials on the basis of their simple physical properties.	

Topic coverage

Autumn 1 & 2 Topic: Light & Dark	Spring 1 & 2 Topic: Once Upon a Time	Summer 1 & 2 Topic: Let's Explore Outside
S1, S2 M1, M2, M3, M4 W2, W3	A1, A2, A3, A4 W2	P1, P2 W1,W2
Vocabulary		
<p style="text-align: center;"><u>Seasonal changes</u></p> Summer, Spring, Autumn, Winter, Season, Sun, day, Moon, Night, light, dark, rain, wind, snow, frist, sleet, fog and cloud(y)	<p style="text-align: center;"><u>Animals including humans</u></p> Fish, Reptiles, Mammals, Birds, Amphibians (+ examples of each) Herbivore, Carnivore, Omnivore Head, ear, eye, mouth, nose, leg, knee, arm, elbow, back, neck, face, teeth, hair Wings, beak	<p style="text-align: center;"><u>Plants</u></p> Evergreen & deciduous trees, branches, trunk, leaves, flowers (blossom) petals, fruit, roots, bulb, seed, stem
Working Scientifically Vocab		
<p style="text-align: center;"><u>Question, prediction, method, variables, fair test, recording, report, conclude, evaluate (NC)</u></p> <p style="text-align: center;"> Investigation, enquiry, what to change, what we used, what we did, what we found out Investigation cycle, question, prediction, method answer, observe, observing, equipment, identify, classify, sort, group, record, diagram, chart, map data, compare, contrast, describe, biology, predict, method, results </p>		

I will know..

- the names of the four seasons
- what happens in each season and describe what happens e.g. In Autumn the leaves change colour, it gets colder. In Spring the seeds begin to grow, trees get blossom etc
- name the different types of weather
- which weather types go with each season
- that in Autumn and Winter the daylight hours get shorter
- that in Spring and Summer the daylight hours get longer
- what objects are made from
- the names of different materials
- how to describe materials such as hard, rough, soft, twist, bend
- how to group materials in different ways
- how to ask questions
- how my questions may be answered using different sources
- the meaning of the scientific words for each topic and will be reading, writing and using them confidently

- the names of different mammals, birds, fish, amphibians and reptiles
- what omnivore means and name omnivores
- what carnivore means and name carnivores
- what herbivore means and name herbivores
- the names and parts of different animals such as wing, fin etc
- the names of the parts of the human body
- the names of the five senses and which body parts belong to them
- how to ask questions
- how my questions may be answered using different sources
- the meaning of the scientific words for each topic and will be reading, writing and using them confidently
- how to spot patterns and how and why things happen

- the names of common wild plants
- the names of common garden plants
- what deciduous means
- what evergreen means
- the parts of a plant and tree and will be able to label them e.g. stem, leaf, roots
- how to ask questions
- how my questions may be answered using different sources
- the meaning of the scientific words for each topic and will be reading, writing and using them confidently
- how to spot patterns and how and why things happen

- how to begin to spot patterns and how and why things happen		
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