



Science KS1

EYFS

Children will explore the natural world around them. They will record their observations in different ways and draw various animals and plants they see. They will develop an understanding of changes that take place in the natural world, focusing in particular on seasonal change and changes in states of matter.

	Cycle A			Cycle B		
Y1/2			Y1/2			
can associate types of weather with particular seasons.						
Autumn Y1	Spring Y1	Summer Y2	Autumn Y1	Spring Y2	Summer Y1	
Seasonal changes	Animals including humans	Plants	Seasonal Changes	Animals including humans	Plants	
	(biology)	(biology)	(biology)	(biology)	(biology)	
I can reflect on prior knowledge		1. I can reflect on prior			1.I can identify the parts of	
and ask scientific questions.	 I can identify and name 	knowledge and ask scientific	1.I know what events take place	1.I can describe the life cycle of	plants <mark>Research</mark>	
I can identify a particular month	a variety of common	questions. <mark>Problem solving</mark>	in each season.	humans. Pattern seeking	Identifying, grouping and	
with a season.	animals including fish,				classifiying.	
	amphibians, reptiles,	2. I can look closely at plants	2. I know how temperature	I can describe the life cycle of		
2I can say that day length in	birds and mammals	and draw what I can see.	changes during the seasons.	some animals, including insects.	I can identify and describe the	
summer is longer than winter.	Research	Research			basic structure of a variety o	
	Identifying, grouping and		3. I can find out what different	I can say that the offspring of	common flowering plants,	
3.I can describe how the weather	classifiying.	3. I can plant seeds and bulbs	weather types there are.	animals grow into adults who	including trees. Research	
changes across the seasons.		and suggest how to care for	All combons that	produce more offspring	Identifying, grouping and	
	2.1	them. Observations over time.	4.I know what weather type we	Problem solving	<mark>classifiying.</mark>	
3.I can observe and describe the	2. I can describe and compare the	4. I can find out how much	associate with each season.	Research.		
weather in autumn.	structure of a variety of common		5. I can make observations		2 Lean cyplers the lead area	
	animals (fish, amphibians, reptiles, birds and mammals, including	water and sunlight plants need. I can investigate suitable		2. I can recognise and describe	2.I can explore the local area to see the plants and flowers	
4.I can discuss how the day length	pets) Research	temperatures for plants to stay	across the year of how plants change throughout the year.	the life cycle of animals,	growing there. Research	
varies from season to season.	Identifying, grouping and	healthy. Comparative/ fair	change throughout the year.	including humans, from birth to	growing there. Research	
	classifiying.	testing.		adulthood. Pattern seeking		
5. I can explain that some animals	clussijiying.	testing.	•		21	
adapt in the winter.		5. I can observe how my plants		3. I can identify and describe the	3.I can identify some plants	
	3. I know that animals, including	have grown.		similarities and differences in life	that have bulbs, and some	
	humans, have offspring which	Observations over time.		cycles. Pattern seeking,	that have seeds. Research Identifying, grouping and	
	grow into adults	6. I can make a bar chart to		Research, observation	37 3. 3 7 3	
	grow into addits	show the growth of my plants.		nescaren, observation	<mark>classifiying.</mark>	
	4. I can research and describe the	s and growth or my plants.		4. I can investigate and compare		



humans, for survival (water, food and air)			animals (including humans) for survival. Research 5. I can explain the significance of exercise, balanced nutrition and hygiene in maintaining human health. Idenitifying, grouping and classifying	5.I can identify leaves I have collected. Research Identifying, grouping and classifiying. 6.I can describe the difference between deciduous and evergreen trees. Research Identifying, grouping and classifiying.
Outcome Children can classify and compare animals into fish, amphibians, reptiles, birds and mammals	Outcome Children can observe and describe how seeds and bulbs grow into mature plants and find out and describe how plants need water, light and a suitable temperature to grow and stay healthy .	Outcome Children observe the changes in the weather and seasons across the year.	Outcome Children will know that animals (including humans) have offspring which grows into adults: children will discover the basic needs of animals – food, water and air: children will understand the importance of exercise, diet and hygiene	Outcome Children can identify and name common wild and garden plants, including deciduous and evergreen trees. Children can observe the changes in plants and trees across the year.
Vocabulary Amphibian, mammal, fish, bird, reptile, carnivore, herbivore, omnivore	Vocabulary Seed, Bulb, Growth, Stem, Leaf, Flower, Root. Germination	Vocabulary Autumn, Winter, Spring, Summer	Vocabulary life cycle, adulthood, offspring, survival needs, exercise, balanced nutrition, hygiene, health	Vocabulary Seed, Bulb, Growth, Stem, Leaf, Flower,
Living things and their habitats (biology) Y2 1. I can classify things as alive, dead or never been alive. Research Identifying, grouping and classifying. 2. I can name and compare different types of habitats.		Animals including humans (biology) Y1 1.I can draw the human body and label the parts Identifying, grouping and classifiying. 2.I can identify the parts of the body associated with each sense. Identifying, grouping and classifiying.	Everyday materials Y1 1. I can identify and name a variety of everyday materials. Identifying, grouping and classifying. 2.I can link the physical properties of materials to their use. Identifying, grouping and classifying.	Animals including humans (biology) Y1 1.I can identify types of animals. I can name some animals in each type. Identifying, grouping and classifiying.
	Outcome Children can classify and compare animals into fish, amphibians, reptiles, birds and mammals Vocabulary Amphibian, mammal, fish, bird, reptile, carnivore, herbivore, omnivore Living things and their habitats (biology) Y2 1. I can classify things as alive, dead or never been alive. Research Identifying, grouping and classifiying. 2. I can name and compare	Outcome Children can classify and compare animals into fish, amphibians, reptiles, birds and mammals Vocabulary Amphibian, mammal, fish, bird, reptile, carnivore, herbivore, omnivore Living things and their habitats (biology) Y2 1. I can classify things as alive, dead or never been alive. Research Identifying, grouping and classifying. Outcome Children can observe and describe how seeds and bulbs grow into mature plants and find out and describe how plants need water, light and a suitable temperature to grow and stay healthy Vocabulary Seed, Bulb, Growth, Stem, Leaf, Flower, Root. Germination	Outcome Children can classify and compare animals into fish, amphibians, reptiles, birds and mammals Outcome Children can observe and describe how seeds and bulbs grow into mature plants and find out and describe how plants need water, light and a suitable temperature to grow and stay healthy Vocabulary Amphibian, mammal, fish, bird, reptile, carnivore, herbivore, omnivore Living things and their habitats (biology) Y2 1. I can classify things as alive, dead or never been alive. Researth Identifying, grouping and classifying. 2. I can name and compare Outcome Children observe the changes in the weather and seasons across the year. Vocabulary Avocabulary Seed, Bulb, Growth, Stem, Leaf, Flower, Root. Germination Vocabulary Seed, Bulb, Growth, Stem, Leaf, Flower, Root. Germination Vocabulary Seed, Bulb, Growth, Stem, Leaf, Flower, Root. Germination Vocabulary Autumn, Winter, Spring, Summer Living things and their habitats (biology) Y2 1. I can classify things as alive, dead or never been alive. Researth Identifying, grouping and classifying. 2. I can identify the parts of the body associated with each sense. Identifying, grouping and classifying. 2. I can name and compare	Outcome Children can classify and compare animals into fish, amphibians, reptiles, birds and mammals find out and describe how plants need water, light and a suitable temperature to grow and stay healthy Vocabulary Amphibian, mammal, fish, bird, reptile, carnivore, herbivore, omnivore Vocabulary Amphibian, mammal, fish, bird, reptile, carnivore, herbivore, omnivore Living things and their habitats (biology) Y2 1. I can classify things as alive, dead or never been alive. Research Vocabulary Autumn, Winter, Spring, Summer Vocabulary 1. I can classify things as alive, dead or never been alive. Research dentifying, grouping and classifying. 2. I can identify the parts of the body associated with each sense. Jedentifying, grouping and classifying. 2. I can iname and compare





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rock, paper and cardboard for particular uses. Comparative/fair testing 4. I can explore how some materials can be changed by squashing, bending, twisting and stretching. Comparative/fair testing 5. I can explain about recycling.	I can consider which animals live there. Research Identifying, grouping and classifiying. 3. I can explain how these living things are adapted to their habitat. I can identify some of the foods that different animals eat. Research Identifying, grouping and classifiying. 4.I can recognise and name different plants and animals that live in their habitats, including the little homes within the bigger places. (microhabitats) Research Identifying, grouping and classifiying. 5. I can observe how plants and animals depend on each other for food, showing how energy moves from one to another. Problem solving) Observation over time.	3.I can identify some factors which affect taste. 4. I can compare other animals describing how they use their senses to compare different textures, sounds and smells. (either first hand using videos or photographs) . Research	3. I can distinguish between an object and the material from which it is made. Identifying, grouping and classifiying. 4 I can test different materials. Comparative fair test DT link I can identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses (design and make—use stories for investigation Little Pigs? Protecting an Egg etc.)	2.I can describe some of the features of each type of animal. I can classify an animal from information I'm given about their features. 3.I can describe the difference between a carnivore, herbivore and omnivore. I can give examples of carnivores, herbivores and omnivores. Research
Outcome Children learn the suitability of different materials for particular uses: to find that some solid objects can change shape by being squashed, bent, twisted and stretched.	Outcome Children will compare the differences between things that are living, dead and things that have never been alive: children can identify the suitability of different habitats: children can name a variety of animals and plants and their habitats: children can understand a simple food chain.	Outcome Children can label basic parts of the human body. They can say which part of the body is associated with each sense.	Outcome Children can distinguish between an object and the material that it is made from: children can identify materials such as wood, plastic, glass, metal, water and rock: children can describe, compare and group materials based on their physical properties	Outcome To learn about carnivores, herbivores and omnivores
Vocabulary Absorbent, bendy, flexible, foil, material, opaque, translucent, transparent, waterproof	Vocabulary Dead, Alive, Sensitive, Habitat, Microhabitat Adaption, Classify,	Vocabulary Sense, Taste, Smell, Touch, Sight, Hearing	Vocabulary Transparent, waterproof, absorbent, material, solid, property, stretchy, bouncy,	Vocabulary Food Chain, Predator, Prey, Producer, Carnivore,





Food Chain, Predator, Prey, Producer, Omnivore,	S S	Herbivore, Omnivore, Hunter, Diet, Nutrition