

# Year 1 – Science – Autumn 1 - Animals

## Key Questions:

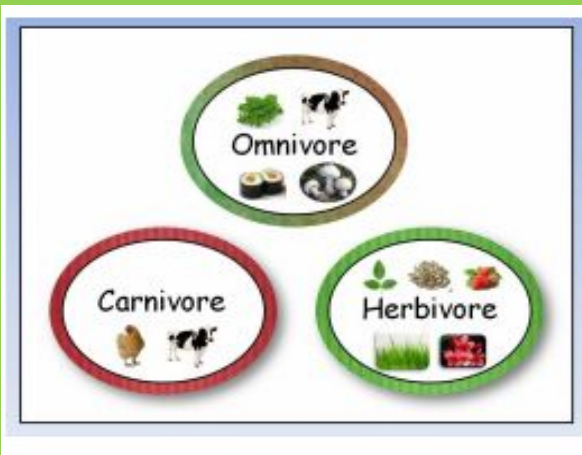
What features do animals use to move?  
What features do animals and birds share?  
What do animals eat?

## What will I learn?

You will learn to identify a variety of common animals. You will describe and compare different animals.

## What I have learned already:

Sorting and comparing bears and their habitats.  
Life cycle of a butterfly (EYFS).



### Mammals



human



mouse



dog



cow

### Birds



penguin



chicken



flamingo



robin

### Fish



goldfish



tuna



shark



eel

### Reptiles



snake



tortoise



lizard



alligator

### Amphibians



frog



toad



newt



salamander

Activity – Can you find examples of animals that are carnivores in the fairytales you know?

**Key words:** amphibians, birds, fish, mammals, reptiles, carnivore, herbivore, omnivore.

# Year 1 – Science – Autumn 2 – Seasonal Changes – Autumn and Winter

## Key Activities:

As a class we will keep a weather diary over the year and include information about when it gets dark throughout the year.

I will go on nature walks in different weathers to explore differences.

## What I have learned already:

Recognising two changes between Autumn and Spring while on a nature walk when I was in Reception class.

## What will I learn?

I will learn about the changes in weather during autumn and winter. I will know how the length of the day changes for different seasons.

**Autumn**

Leaves change colour and fall. Harvest time is in autumn.

**Winter**

The coldest time of the year. Some animals hibernate.

## Daylight hours each month:

Month	Sept	Oct	Nov	Dec	Jan	Feb
Hours of Daylight	13	11	9	8	8	10

**autumn**

**winter**

**Activity – think about the clothing you will need to wear during the winter and autumn.**

**Key words:** : weather, sunny, rainy, raining, shower, windy, snowy, cloudy, hot, warm, cold, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddles, rainbow, seasons, winter, summer, spring, autumn, sun, sunrise, sunset, day length

## The Four Seasons

**autumn**  
September  
October  
November

**winter**  
December  
January  
February

# Year 1 – Science – Spring 1 – Humans

## What I have learned already:

I know that I have different body parts and that it is important to stay healthy by exercising and eating healthily.

## What I will learn

That humans (and other animals) find out about the world using their senses.

Know that eyes can see, mouth can taste, ears can hear, nose can smell and hands can touch.

To name: head, eyes, ears, mouth, nose, teeth, eyelashes, eyebrows, arms, legs, feet, elbow, knee, ankle, toes, hands, fingers, thumb and wrist.

**Activities** – observe parts of our bodies using a magnifying glass/mirror

- Look for patterns between people
- Sort people according to their features

## Senses



sight



hearing



touch

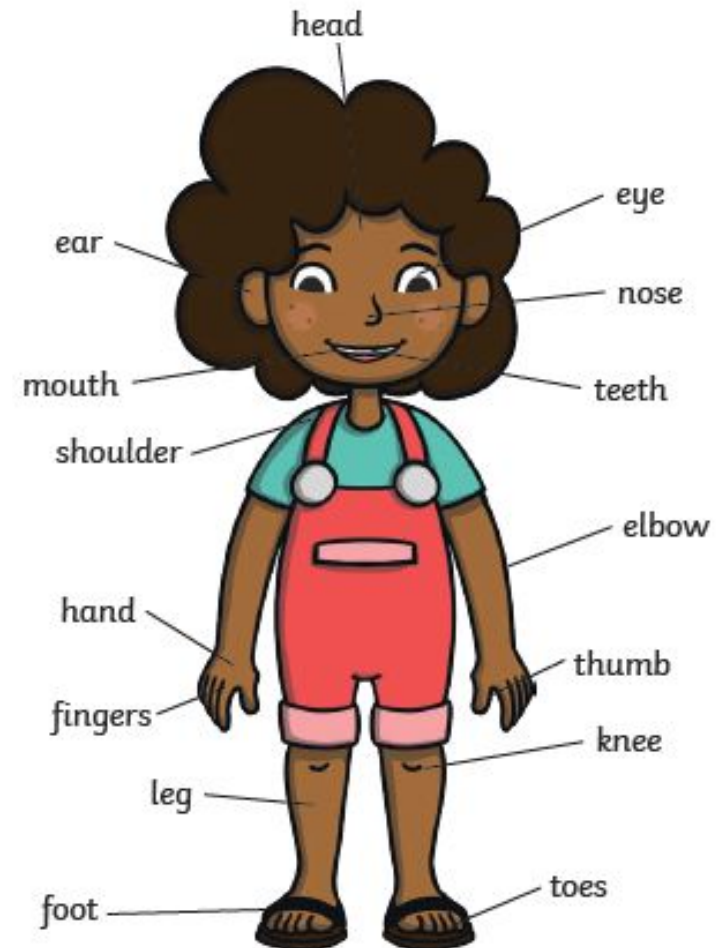


taste



smell

## Parts of the Body



**Key words:** senses, touch, sight, smell, taste, hearing, fingers, skin, eyes, nose, ear, tongue

# Year 1 – Science – Spring 2 – Seasons – Spring and Summer

## What will I learn?

I will learn about the weather during spring and summer. I will compare spring and summer with what I have already learnt about autumn and winter.

## Key Questions:

What weather might we see in Spring?  
 What weather might we see in Summer?  
 What happens to the days in all 4 seasons?

Activity – Think about what happens to the trees during spring and summer compared to autumn and winter.

## What I have learned already:

The signs of spring. How the seasons vary from one another (EYFS).

### Spring



Flowers begin to grow. Some baby animals are born.

### Summer



The hottest time of the year. Flowers and trees are in full bloom.

Mar	Apr	May	June	July	Aug
12	14	15	16	16	14

### spring

March  
 April  
 May

### summer

June  
 July  
 August

### Day length

The longest day of the year in the UK is in mid-summer. This falls on June 21<sup>st</sup>.

#### Summer solstice



The shortest day of the year in the UK is in mid-winter. This falls on December 21<sup>st</sup>.

#### Winter solstice



**Key words** seasons, spring, summer, weather, daylight, summer solstice, winter solstice.

# Year 1 – Science – Summer 1 – Planting

## What will I learn?

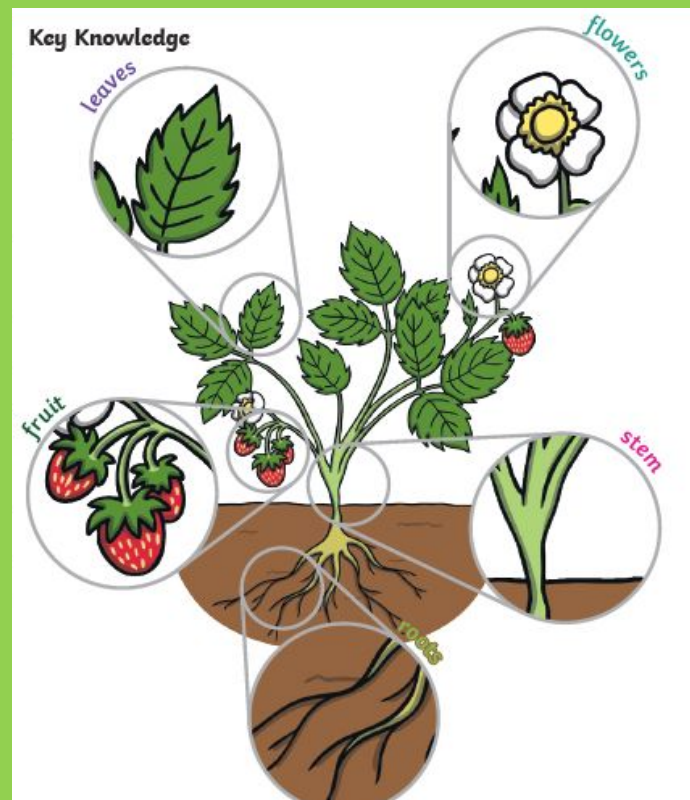
I will be able to identify different wild and common plants and trees. I will be able to label the parts of a flowering plant.

## What I have learned already:

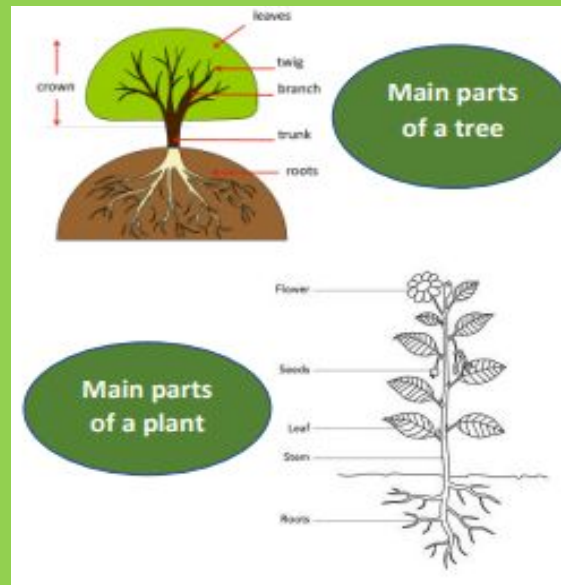
How a plant grows. A plant needs light, food and water. (EYFS).

## Key Questions:

What does a plant need to grow healthy and strong?  
How would I see if my plant was not growing well?



Activity – Can you identify any of these leaves or plants around where you live or in your garden?



**Key words:** leaf, flower, petal, fruit, root, seed, trunk, branch, stem, bark.

Different types of trees and plants	
oak	horse chestnut
cherry	hawthorn
ash	sycamore
hazel	holly
rose	daffodil
daisy	tulip
buttercup	dandelion

# Year 1 – Science – Summer 1 – Everyday Materials

## What will I learn?

I will know how to look for what a material is made from. I will be able to name everyday materials including wood, metal, plastic, glass, rock and water. I will be able to describe the properties of these materials.

## Key Questions:

Can you name some materials we see around us?  
Can you describe the properties of these materials?  
Can you guess which materials will float and sink?  
Why do you think they will float or sink?

## Materials:



plastic



wood



metal



water



glass

**What I have learned already:**  
Similarities and differences in relation to objects, materials (EYFS).

## Key words:

Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull,

see-through, not see-through

## Different types of materials

wood



paper



plastic



fabric



glass



clay



metal



foil



water



cardboard



rock



rubber



brick



wool



Activity – Can you name any of the materials that objects around you are made from? What do you notice about them?