

# Living Things & their Habitats (local habitats) - Autumn 1 - YEAR 2



## Year 1

- Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Plants)
- Identify and describe the basic structure of a variety of common flowering plants, including trees. (Plants)
- Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. (Animals including humans)
- Identify and name a variety of common animals that are carnivores, herbivores and omnivores. (Animals including humans)
- Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets). (Animals, including humans)
- Observe changes across the four seasons. ( Seasonal change)

Living Things and Habitats is not a unit in Y1, however the above objectives from other units relate.

## Year 2

- Explore and compare the differences between things that are living, dead, and things that have never been alive.
- Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.
- Identify and name a variety of plants and animals in their habitats, including microhabitats.
- Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.



## Year 4/5/6

### Y4

- Recognise that living things can be grouped in a variety of ways.
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.
- Recognise that environments can change and that this can sometimes pose dangers to living things.
- Construct and interpret a variety of food chains, identifying producers, predators and prey. (Y4 - Animals, including humans)

### Y5

- Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.
- Describe the life process of reproduction in some plants and animals.

### Y6

- Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals.
- Give reasons for classifying plants and animals based on specific characteristics.

classification keys  
environment  
fish  
amphibians  
reptiles  
birds  
mammals  
vertebrates  
invertebrates

organism  
micro-organisms  
fungus  
mushrooms  
arachnid  
mollusc  
insect  
crustacean

# MATERIALS (choosing materials) - Autumn 2 YEAR 2



## Year 1

- 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.



## Year 2

- Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.



## Year 3

- Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
- Describe in simple terms how fossils are formed when things that have lived are trapped within rock.
- Notice that some forces need contact between two objects, but magnetic forces can act at a distance.

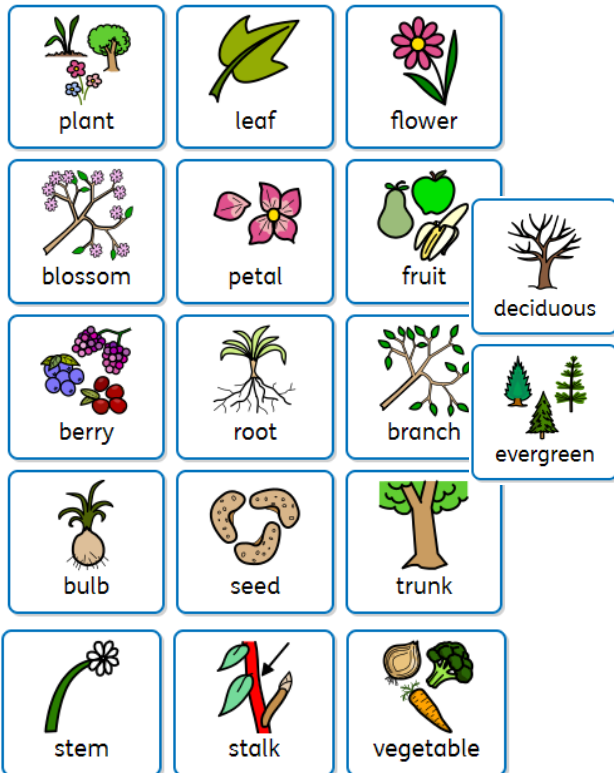
rock  
stone  
pebble  
boulder  
soil  
fossils  
grains  
crystals  
hard/soft  
texture  
absorb water  
let water through  
marble  
chalk  
granite  
sandstone  
slate  
sandy soil  
clay soil  
chalky soil  
peat



# Plants (growing seeds & bulbs) - Spring 1 YEAR 2

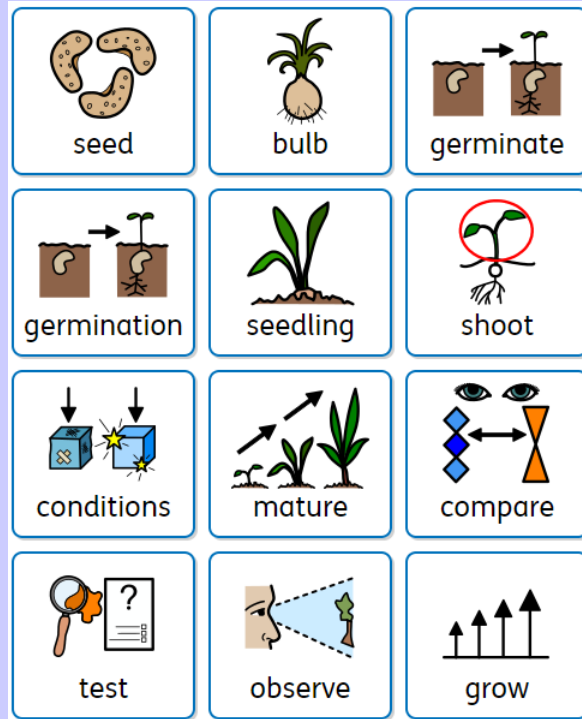
## Year 1

- identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen
- identify and describe the basic structure of a variety of common flowering plants, including roots, stem/trunk, leaves and flowers.



## Year 2

- observe and describe how seeds and bulbs grow into mature plants



## Year 3

- identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers
- explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant
- investigate the way in which water is transported within plants
- explore the role of flowers in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

part  
role  
leaf/leaves  
flower  
blossom  
petal  
fruit  
berry  
root  
bulb  
seed  
trunk  
branch  
stem  
bark  
stalk  
water  
light  
air  
nutrients  
soil  
fertiliser

damp/wet/dry  
dark/light  
hot/warm/cool/c  
old  
use comparatives  
e.g. hotter  
grow/growth  
healthy  
transported  
life cycle  
pollination  
seed formation  
seed dispersal

# YEAR 2, ANIMALS INCLUDING HUMANS (growing up) - Spring 2

## Year 1

- 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.

## Year 2

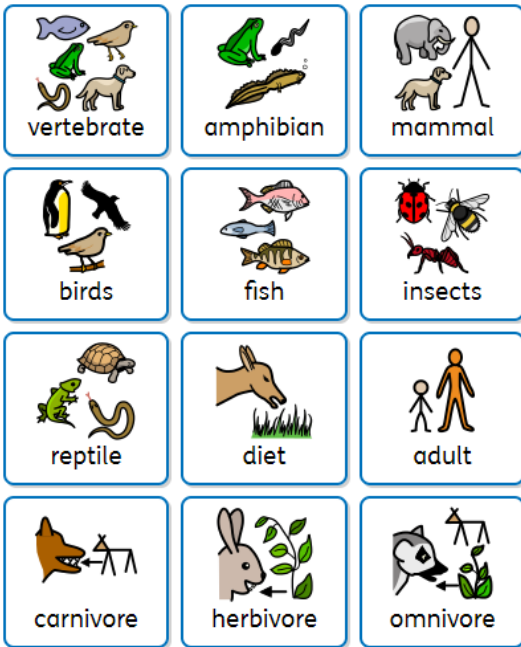
- Notice that animals, including humans, have offspring which grow into adults.
- Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).
- Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

## Year 3

- Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.
- Identify that humans and some other animals have skeletons and muscles for support, protection and movement.

## Year 4/5/6

- Y4**  
Describe the simple functions of the basic parts of the digestive system in humans.
- Identify the different types of teeth in humans and their simple functions.
  - Construct and interpret a variety of food chains, identifying producers, predators and prey.
- Y5**  
• Describe the changes as humans develop to old age.
- Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. (Y5 - Living things and their habitats)
  - Describe the life process of reproduction in some plants and animals. (Y5 - Living things and their habitats)
- Y6**  
• Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.
  - Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.
  - Describe the ways in which nutrients and water are transported within animals, including humans.
  - Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals. (Y6 - Living things and their habitats)
  - Give reasons for classifying plants and animals based on specific characteristics. (Y6 - Living things and their habitats)



nutrition  
nutrients  
food types  
fruit and vegetable  
bread, rice, potato, pasta  
milk and dairy foods  
foods high in fat or sugar  
meat, fish, egg, beans  
carbohydrates  
protein  
vitamins and mineral  
fat  
dietary fibre  
water  
balanced diet

skeleton  
muscles  
support  
protection  
movement  
skull  
ribs  
spine/vertebra  
joints  
sockets  
bones  
tendons  
vertebrate/invertebrate



# MATERIALS (changing materials) - Summer 1 YEAR 2



## Year 1

- 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.



## Year 2

- Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.



## Year 3

- Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
- Describe in simple terms how fossils are formed when things that have lived are trapped within rock.
- Notice that some forces need contact between two objects, but magnetic forces can act at a distance.

rock  
stone  
pebble  
boulder  
soil  
fossils  
grains  
crystals  
hard/soft  
texture  
absorb water  
let water through  
marble  
chalk  
granite  
sandstone  
slate  
sandy soil  
clay soil  
chalky soil  
peat



# Plants (growing healthy plants) - Summer 2- YEAR 2

Year 1	Year 2	Year 3	
<ul style="list-style-type: none"> <li>identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen</li> <li>identify and describe the basic structure of a variety of common flowering plants, including roots, stem/trunk, leaves and flowers.</li> </ul>	<ul style="list-style-type: none"> <li>find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> </ul>	<ul style="list-style-type: none"> <li>identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers</li> <li>explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant</li> <li>investigate the way in which water is transported within plants</li> <li>explore the role of flowers in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</li> </ul>	
<div> <div>plant</div> <div>leaf</div> <div>flower</div> <div>blossom</div> <div>petal</div> <div>fruit</div> <div>deciduous</div> <div>berry</div> <div>root</div> <div>branch</div> <div>evergreen</div> <div>bulb</div> <div>seed</div> <div>trunk</div> <div>stem</div> <div>stalk</div> <div>vegetable</div> </div>	<div> <div>seed</div> <div>bulb</div> <div>germinate</div> <div>germination</div> <div>seedling</div> <div>shoot</div> <div>conditions</div> <div>mature</div> <div>compare</div> <div>test</div> <div>observe</div> <div>grow</div> </div>	<div> <div>part</div> <div>role</div> <div>leaf/leaves</div> <div>flower</div> <div>blossom</div> <div>petal</div> <div>fruit</div> <div>berry</div> <div>root</div> <div>bulb</div> <div>seed</div> <div>trunk</div> <div>branch</div> <div>stem</div> <div>bark</div> <div>stalk</div> <div>water</div> <div>light</div> <div>air</div> <div>nutrients</div> <div>soil</div> <div>fertiliser</div> </div>	<div> <div>damp/wet/dry</div> <div>dark/light</div> <div>hot/warm/cool/c</div> <div>old</div> <div>use comparatives</div> <div>e.g. hotter</div> <div>grow/growth</div> <div>healthy</div> <div>transported</div> <div>life cycle</div> <div>pollination</div> <div>seed formation</div> <div>seed dispersal</div> </div>