

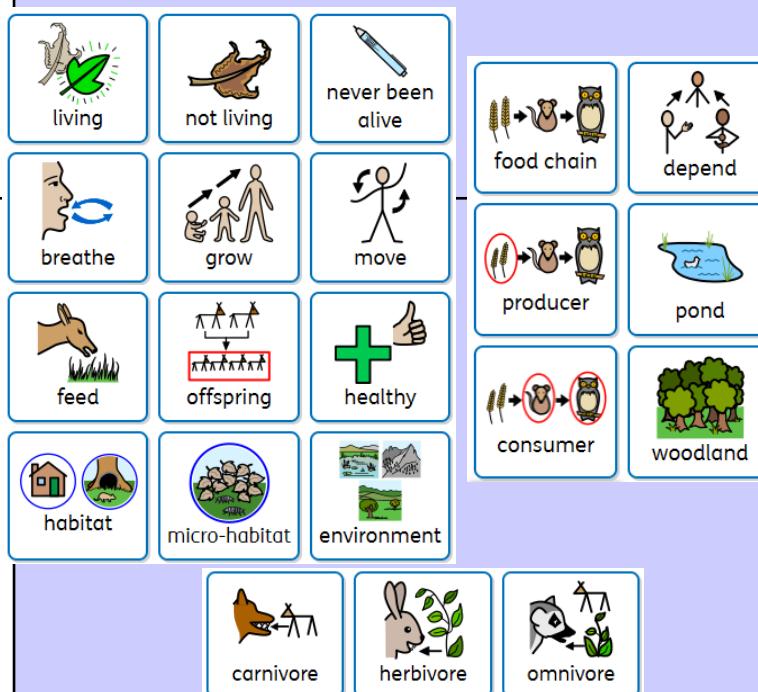
## Year 1

- 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

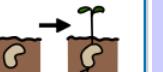
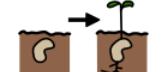
# MATERIALS (choosing materials) - Autumn 2 YEAR 2



Year 1	Year 2	Year 3
<ul style="list-style-type: none"> <li>Distinguish between an object and the material from which it is made.</li> <li>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</li> <li>Describe the simple physical properties of a variety of everyday materials.</li> <li>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul> <div style="display: flex; justify-content: space-around; gap: 10px;"> <div> </div> </div>	<ul style="list-style-type: none"> <li>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</li> </ul> <div style="display: flex; justify-content: space-around; gap: 10px;"> <div> </div> </div>	<ul style="list-style-type: none"> <li>Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties</li> <li>Describe in simple terms how fossils are formed when things that have lived are trapped within rock.</li> <li>Notice that some forces need contact between two objects, but magnetic forces can act at a distance.</li> </ul> <div style="display: flex; justify-content: space-around; gap: 10px;"> <div> </div> <div> </div> <div> </div> </div> <div style="display: flex; justify-content: space-around; gap: 10px;"> <div>rock</div> <div>stone</div> <div>pebble</div> <div>boulder</div> <div>soil</div> <div>fossils</div> <div>grains</div> <div>crystals</div> <div>hard/soft</div> <div>texture</div> <div>absorb water</div> <div>let water through</div> <div>marble</div> <div>chalk</div> <div>granite</div> <div>sandstone</div> <div>slate</div> <div>sandy soil</div> <div>clay soil</div> <div>chalky soil</div> <div>peat</div> </div>



# Plants (growing seeds & bulbs) - Spring 1 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>observe and describe how seeds and bulbs grow into mature plants</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>	
 plant  leaf  flower   blossom  petal  fruit  deciduous   berry  root  branch  evergreen   bulb  seed   stem  stalk   vegetable	 seed  bulb  germinate   germination  seedling  shoot   conditions  mature  compare   test  observe  grow	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/cold 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.

vertebrate	amphibian	mammal
birds	fish	insects
reptile	diet	adult
carnivore	herbivore	omnivore

### 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.

birth	life cycle	healthy
diet	hygiene	hygienic
exercise	balanced	survival
food	water	air

### 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.

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

### 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.
- Describe the life process of reproduction in some plants and animals.

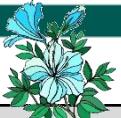
**Y6**  
Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.

- 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.
- Give reasons for classifying plants and animals based on specific characteristics.

# MATERIALS (changing materials) - Summer 1 YEAR 2



Year 1	Year 2	Year 3
<ul style="list-style-type: none"> <li>Distinguish between an object and the material from which it is made.</li> <li>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.</li> <li>Describe the simple physical properties of a variety of everyday materials.</li> <li>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>object</p> </div> <div> <p>material</p> </div> <div> <p>wood</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>plastic</p> </div> <div> <p>glass</p> </div> <div> <p>metal</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>rock</p> </div> <div> <p>brick</p> </div> <div> <p>paper</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>fabric</p> </div> <div> <p>elastic</p> </div> <div> <p>foil</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>cardboard</p> </div> <div> <p>rubber</p> </div> <div> <p>wool</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>natural</p> </div> <div> <p>manufactured</p> </div> <div> <p>property</p> </div> </div>	<ul style="list-style-type: none"> <li>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul> <div style="border: 2px solid purple; padding: 10px; margin-bottom: 10px;"> <p>squash</p> <p>twist</p> <p>stretch</p> <p>bend</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>transparent</p> </div> <div> <p>opaque</p> </div> <div> <p>translucent</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>soft</p> </div> <div> <p>hard</p> </div> <div> <p>rough</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>smooth</p> </div> <div> <p>flexible</p> </div> <div> <p>rigid</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>suitable</p> </div> <div> <p>not suitable</p> </div> <div> <p>waterproof</p> </div> <div> <p>absorbent</p> </div> <div> <p>stretchy</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>brittle</p> </div> <div> <p>fragile</p> </div> <div> <p>reflective</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <p>durable</p> </div> <div> <p>non-reflective</p> </div> <div> <p>shiny</p> </div> <div> <p>dull</p> </div> </div>	<ul style="list-style-type: none"> <li>Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties</li> <li>Describe in simple terms how fossils are formed when things that have lived are trapped within rock.</li> <li>Notice that some forces need contact between two objects, but magnetic forces can act at a distance.</li> </ul> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>rock</div> <div>stone</div> <div>pebble</div> <div>boulder</div> <div>soil</div> <div>fossils</div> <div>grains</div> <div>crystals</div> <div>hard/soft</div> <div>texture</div> <div>absorb water</div> <div>let water through</div> <div>marble</div> <div>chalk</div> <div>granite</div> <div>sandstone</div> <div>slate</div> <div>sandy soil</div> <div>clay soil</div> <div>chalky soil</div> <div>peat</div> </div>



# 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>
 plant   leaf   flower   blossom   petal   fruit   deciduous   berry   root   branch   evergreen   bulb   seed   trunk   stem   stalk   vegetable	 seed   bulb   germinate   germination   seedling   shoot   conditions   mature   compare   test   observe   grow	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/cold use comparatives e.g. hotter grow/growth healthy transported life cycle pollination seed formation seed dispersal