



Knowledge Organiser: Animals, including humans Year 2

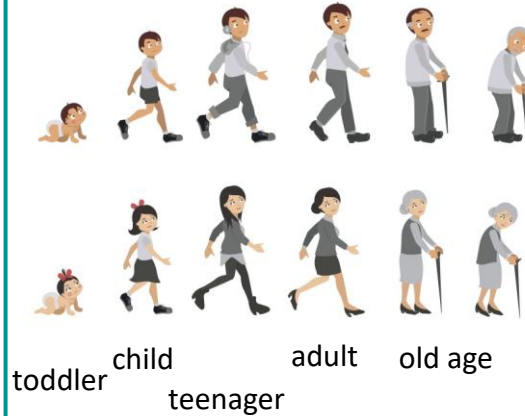
Careers connected to human
life cycle: midwife, doctor,
nurse, radiologist



Key Vocabulary

nutrition	food that provides nourishment to live and grow
healthy	being well and fit
protein	a food group, consisting of meat, seafood, eggs, nuts and more, which help the body repair cells
carbohydrate	a food group, including rice, bread and pasta, which give the body energy
dairy	a food group, including cheese, milk and yoghurt, which contains calcium to keeps our bones strong
fat	a food group that are important for energy but only needed in small amounts
exercise	activity requiring physical effort, carried out to improve health and fitness
hygiene	the things you can do to keep yourself and your surroundings clean

Human Life Cycle



Survival

Humans and animals need
food, air and water to survive.



FOOD



WATER



AIR

Daily Needs of a Human

a place to
live

food

water

air

sleep

hygiene



exercise

Food Pyramid



Fats and Oils

Meat and Fish

Milk, Cheese
and Dairy

Fruit and
Vegetables

Bread and
Cereal



Knowledge Organiser: Living things and their habitats. Year 2

Careers connected to habitats:
ecologist, environmentalist,
naturalist



Key Vocabulary

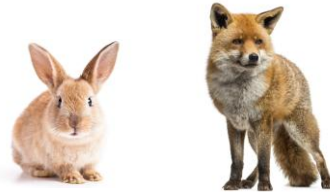
reproduce	to create young, offspring or babies
excrete	to get rid of unwanted substances from the body
respire	to breathe
habitat	the natural place where an living thing can survive
microhabitat	a small natural area where a living thing can survive, found within larger habitats
survive	to remain alive
producer	a plant at the start of a food chain
consumer	a living thing that eats other living things

Food Chain

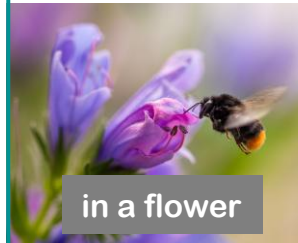
The grass is eaten by the rabbit.



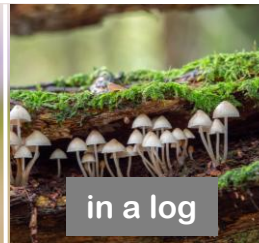
The rabbit is eaten by the fox.



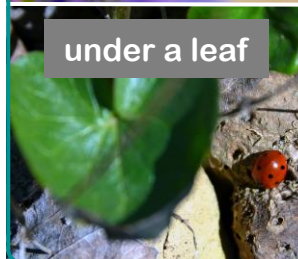
Microhabitats



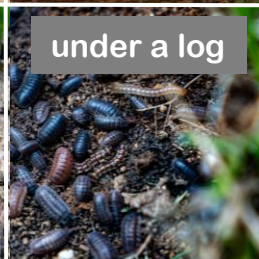
in a flower



in a log



under a leaf



under a log

Dead or Alive

living			All living things breathe, eat, grow, move, reproduce and have senses.
dead			Something that was once a living thing.
non-living			Something that has never been alive.

Habitats



woodland



farmland



pond



coastal



desert



mountain

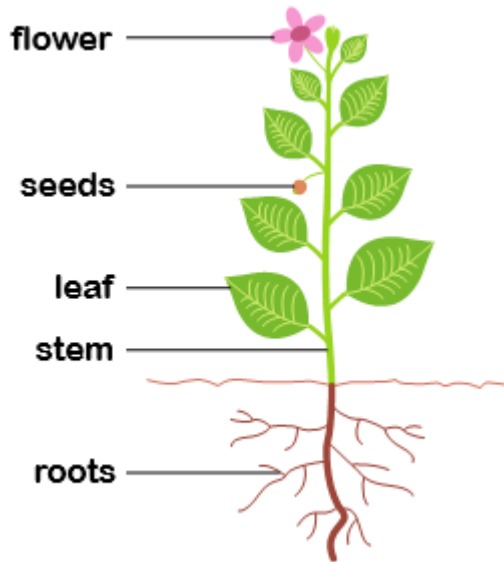


Knowledge Organiser: Plants Year 2

Careers connected to plants:
horticultural management,
plant biologist, plant pathologist



Key vocabulary



Roots anchor the plant and
sucks up the water to feed the
plant.

The stem holds the plant in
place.

The flower attracts insects for
pollination.

What Plants Need to Grow

Plants need **water** to survive.
Plants get water through their
roots.

Plants need the right
temperature to grow.

Plants need **sunlight** to help them
grow and make their own food.

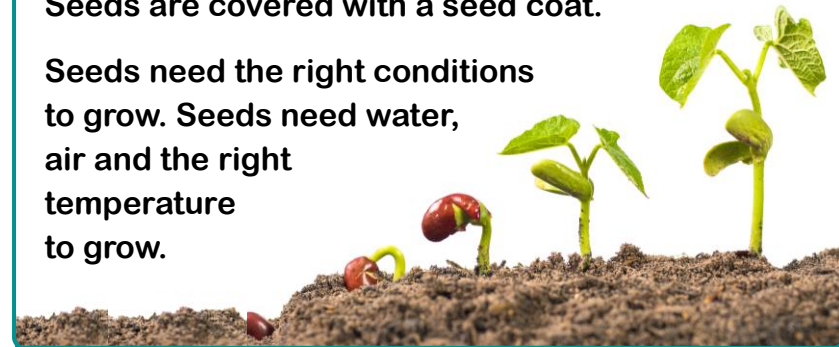
Plants need **room** to grow. Plants
need time to grow. It can take
days, months or even years for
them to grow.



Life Cycle of a Plant

A plant **germinates** when it starts to grow.
Inside a seed/bulb is the baby plant.
Seeds are covered with a seed coat.

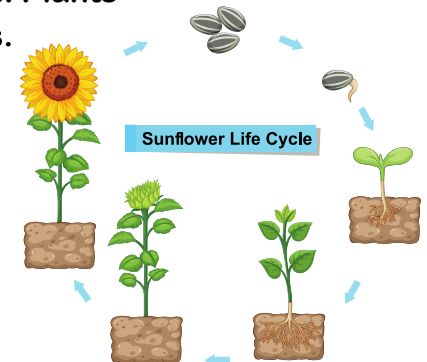
Seeds need the right conditions
to grow. Seeds need water,
air and the right
temperature
to grow.



Life Cycle of a Plant

Plants begin life as **seeds or bulbs**. They need soil,
air and water to grow. Plants grow into young
plants called **seedlings**. Plants
grow **flowers and fruits**.

These produce
seeds. When the
plant is pollinated,
the seeds find
their soil. The
process starts
again!





Knowledge Organiser:
Uses of everyday
materials Year 2

Careers connected to materials:
materials engineer, road
designer, road engineer



Key Vocabulary

material	anything that is used to make something else
property	the way in which a material is described
stretchy	something that can pull apart without breaking; elastic
elastic	something that can pull apart without breaking; stretchy
force	a pressure applied to something that makes it change shape or move
bend	to shape or force something into a curved shape

Materials

material		uses
wood		window frames, furniture, buildings, floors
metal		furniture, buildings, statues, pipes, jewellery
plastic		containers, toys, bags, pipes
brick		walls, floors
rock		roads, garden paths, floors, kitchen tops
paper		toilet roll, writing paper, newspaper, cardboard
glass		drinking glasses, windowpanes, television screens

Forces

