

Topic: Animals Including Humans

Year: 5

Term: 1

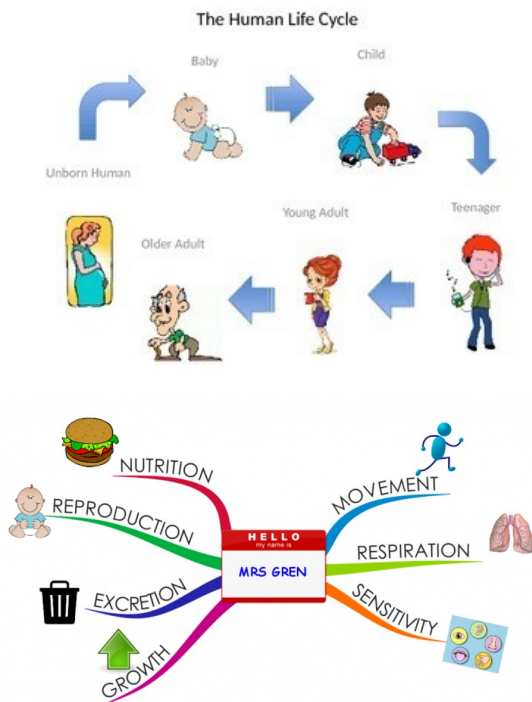
What should I already know?

- Animals can be grouped into vertebrates (and then further into fish, reptiles, amphibians, birds and mammals).
- Some examples of life cycles (including those of plants and humans)
- Reproduction and growth are two of the seven life processes.
- How to live a healthy lifestyle.

What will I know by the end of the unit?

What are the main stages of the human life cycle?
 Foetus - an unborn animal or human being in the very early stages of development.
 Newborn - this is a baby that has just been born.
 Infancy - this is a period of rapid change. Many toddlers learn to walk and talk at this stage.
 Childhood - children learn new things as they grow. They become more independent.
 Adolescence - this is when the body starts to change and prepare itself for adulthood. Hormonal changes take place over a few years. This is also known as puberty.
 Early adulthood - this is when humans are usually at their fittest and strongest.
 Middle adulthood - changes such as hair loss may happen.
 Late adulthood - there can be a decline in fitness and strength.

Diagrams



Skills to be covered in this unit

- Describing the changes as humans develop to old age.
- Describing the life process of reproduction in some plants and animals.
- Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- Using test results to make predictions to set up further comparative and fair tests
- Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations
- Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

Vocabulary

adolescence	the period of your life in which you develop from being a child into being an adult
adulthood	the state of being an adult
development	the gradual growth or formation of something
foetus	an animal or human being in its later stages of development before it is born
gestation	the process in which babies grow inside their mother's body before they are born
growth	an increase in something
hormones	a chemical, usually occurring naturally in your body, that makes an organ of your body do something
independent	if someone is independent, they do not need help or money from anyone else
infancy	the period of your life when you are a very young child
life cycle	the series of changes that an animal or plant goes through from the beginning of its life until its death
life processes	there are seven processes that tell us that living things are alive
mature	when a child or young animal matures, it becomes an adult
offspring	a person's children or an animal's young
organ	a part of your body that has a particular purpose
puberty	the stage in someone's life when their body starts to become physically mature
reproduction	when an animal or plant produces one or more individuals similar to itself
toddler	a young child who has only just learned to walk
vertebrate	a creature which has a spine

Investigate!

- Research the gestation periods of other animals and comparing them with humans.
- Collect data around school about height and hand span of different age ranges of pupils. Record the mean, mode and median height of pupils of different ages. Create a graph summarising results.
- Create a life story for a fictitious adult that has made healthy life choices.
- Compare the growth pattern of humans to other animals.
- Consider why humans take so long to learn to walk in comparison to other animals.
- Create a Venn diagram to show what the similarities and differences are between children, adolescents and adults.

