Year 5 - Animals including humans

How different will you be when you are as old as the King?

Prior learning

In Year 4, you learnt about the names and functions of parts of the human digestive system and teeth.

Future learning

In Year 6, name the main parts of the human circulatory system and recognise the impact of diet, exercise and drugs on our bodies.

In this unit you will:

Describe the changes as humans develop to old age

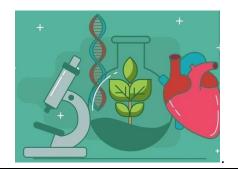
Key Scientists: James Watson and Francis Crick



These scientists worked together to discover the structure of DNA. DNA hold all of the information which gives humans their physical characteristics.

Science discipline: Biology

Biology is the study of living things. A biologist is a scientist who studies biology. Biologists try to understand the natural world and the things that live in it.



Scientific diagram

Pre-natal	This stage of development begins from
A B	the time of fertilisation (when the male
	and female sex cells fuse together) to
	the time of birth.
Baby	A baby is born after 9 months in the
	wamb. They are helpless they need a
	parent to support them. They are fed
	milk to help them grow and get the
	nutrients they need. They are unable to
	talk and cry for what they need.
Child 👵	During this stage the child grows
	rapidly and develops life skills e.g.
TOTAL STATE OF THE PARTY OF THE	reading, writing etc. They are learning
	how to be more independent.
	This stage lasts from the age of 11 to
	19. Puberty results in changes in the
	body, to enable reproduction during
	adulthood. They are starting to become
Adolescence	more independent.
Adult 🌎	This stage of development takes place
7	from the ages of 18-59. In early
	adulthood the human body is at its
	peak of fitness and strength. Between
	40-59 the ability to reproduce reduces.
Elderly 🧸	Takes place after the age of 60. There is
Livery	no physical growth. The body declines
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	in fitness and health, becoming more fragile physically.
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Vocabulary:

- Reproduce: To make more, either by having babies or creating copies.
- Sperm: Male reproductive cells.
- Fertilisation: Is the joining of an egg and a sperm.
- Puberty: Stage of life when the body of a child transitions into an adult body capable of sexual reproduction.
- Gestation: The time between fertilization of the egg (ovum) and the birth of the baby or babies