

# Year 5 Science Knowledge Organiser

Term: Autumn 1

Programme of study: Animals, including humans.

Statutory requirement: To describe the changes as humans develop to old age.

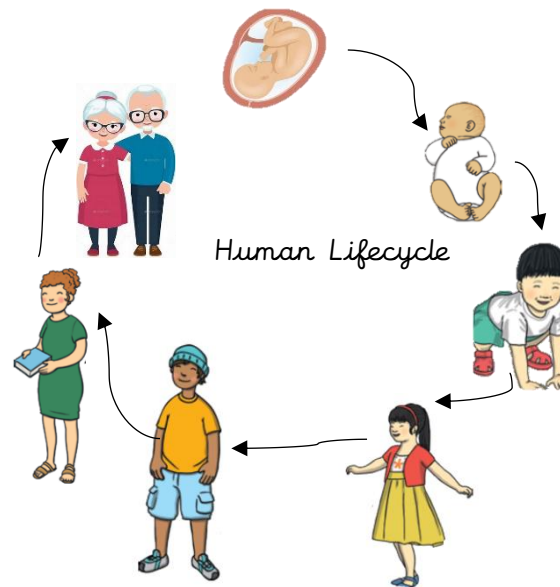
## Vocabulary

<b>adolescent</b>	Also known as teenager, it is the process of developing from a child to an adult.
<b>adult</b>	A person who is fully grown or developed.
<b>child</b>	A young human being below the age of puberty.
<b>foetus</b>	An unborn or unhatched offspring of a mammal, in particular an unborn human more than eight weeks after conception.
<b>gestation</b>	The process or period of developing inside the womb between conception and birth.
<b>life expectancy</b>	The average period that you may expect to live.
<b>mammal</b>	A warm-blooded vertebrate, distinguishable by the possession of hair or fur.
<b>nutrition</b>	The process of providing or obtaining the food necessary for health and growth.
<b>offspring</b>	A person's child or children/ an animal's young.
<b>puberty</b>	The process of physical changes through which a child's body matures into an adult.

## What should I know already?

- Animals, including humans, have offspring which grow into adults.
- The basic needs of survival are water, food and air.
- They need the right types and amount of nutrition and this comes from what they eat.
- The names of the main body parts and where they are: head, neck, arms, elbows, legs, knees, face, ears, hair, mouth, teeth, etc.

## What essential knowledge will I have by the end of the unit?



**Foetus:** After eight weeks, the group of cells in the mother's womb develops more human-like features, becoming a foetus. The foetus grows inside its mother's womb for nine months. A foetus is completely reliant on the mother and cannot breathe, eat or drink for itself. It receives its nutrition through the umbilical cord.

**Baby (birth to 1 year):** A baby is born after 9 months and is completely reliant on his/her parents to meet his/her needs.

**Toddler and Child (1-12 years old):** At this stage, a human learns to walk and talk, read, write and form friendships with other children. A child is still heavily reliant on his/her parents.

**Adolescence (13-19 years old):** As a child grows, he/she becomes an adolescent (teenager). The teenager goes through a period of physical and emotional change (puberty) as he/she develops into an adult.

**Adulthood (20 to 65 years old):** An adult's body is full developed. Adults can reproduce and create their own families.

**Old age (65 years +):** This is the last stage of a human's life. The average life expectancy of an adult can vary from 70 to 85 years old however some adults live beyond their eighty-fifth birthday.

