

All children – regardless of gender, starting point or background – will have the opportunity to engage with a high-quality science education. They will be equipped with the knowledge, skills and vocabulary to understand how science can be used to explain what is occurring, predict how things will behave and analyse caused. We intend to inspire a sense of enjoyment and curiosity about science.

## Animals Including Humans

Summer 1

### Igniting Prior Knowledge:

- Animals, including humans, have offspring which grow into adults.
- Most animals reproduce sexually. This involves two parents (a male and a female) where the sperm from the male fertilises the female egg.
- Sexual reproduction produces offspring that are similar to the parents but not identical.
- In humans and some animals, these offspring will be born live, such as babies or kittens, and then grow into adults.

### Key Vocabulary:

- Adolescent
- Puberty
- Hormones
- Life expectancy
- Gestation
- Pregnancy
- Embryo
- Foetus
- Uterus



### New Knowledge:

- There are seven stages in a human's development: prenatal, infancy, childhood, adolescence, early adulthood, middle adulthood and old age.
- Diseases or viruses can cause early death e.g. Covid-19.
- When babies are young, they grow rapidly. They are very dependent on their parents.
- As babies develop, they learn many skills.
- At puberty, a child's body changes and develops primary and secondary sexual characteristics. This enables the adult to reproduce.
- Different animals have different gestation periods.