



**Science Topic:** Animals including Humans

**Year:** 5 **Term:** Spring 1

## Key Knowledge/Content:

- Different animals mature at different rates and live to different ages.
- Puberty is something we all go through and is a process which prepares our bodies for being adults and reproduction.
- Hormones control these changes; which can be physical and/or emotional.
- Some organisms reproduce sexually, where offspring inherit information from both parents.

## Scientist Focus:

### **Fei Fei Li (Computer Scientist)**

Known for her work with advancing AI machines and developing a program to help robots interpret images.

## Links to:

### Prior learning:

To investigate different life cycles and compare mammals to other types of animals, including how they reproduce.

### Future learning:

To learn more about puberty and the changes in their own bodies, including specifically for boys and girls.

## Key vocabulary with definition:

### Prior vocabulary:

- Growth- An increase in size.
- Reproduction- When a living thing produces a similar version of itself.
- Hygiene- The way we care for our bodies, keeping it clean.

### New vocabulary:

- Pregnancy- The process that changes in a woman's body as she develops a new human.
- Embryo- The name given to an unborn baby until eight weeks of development.
- Gestation- The time period between a baby's creation and birth.
- Foetus- The change an organism goes through before it is born.
- Puberty- When a body develops and grows from child to adult.
- Hormones- Chemical substances that produce changes in the body.
- Physical changes- Changes relating to the changes of parts of the body, inside or outside.
- Emotional changes- Changes after the mind and different feelings.
- Womb- The organ for holding a baby in females.

## By the end of this unit

**All children can:** **describe** each stage in a human life cycle and **explain** the main changes that occur during puberty.

**Most children can:** **explain** what happens at each stage in a human life cycle and **discuss** how humans adapt to a gestation period.

**Some children can:** **compare** different animals' gestation periods and **explain** how hormones can affect humans physically and emotionally.

## Background understanding for teachers and parents:

This unit will look at the human life cycle from an embryo to an elderly person. Children will explore what happens at each stage. They will look briefly at puberty and how hygiene is important during this time of life.

## Curriculum Driver (one):

Healthy Lifestyle

### Evidence outcome:

Learn about what happens in puberty and look at how to stay hygienic during puberty including through washing and the use of deodorant.