

## Year 5 – Animals, including humans - Knowledge Organiser

*Pupils should be taught to:*

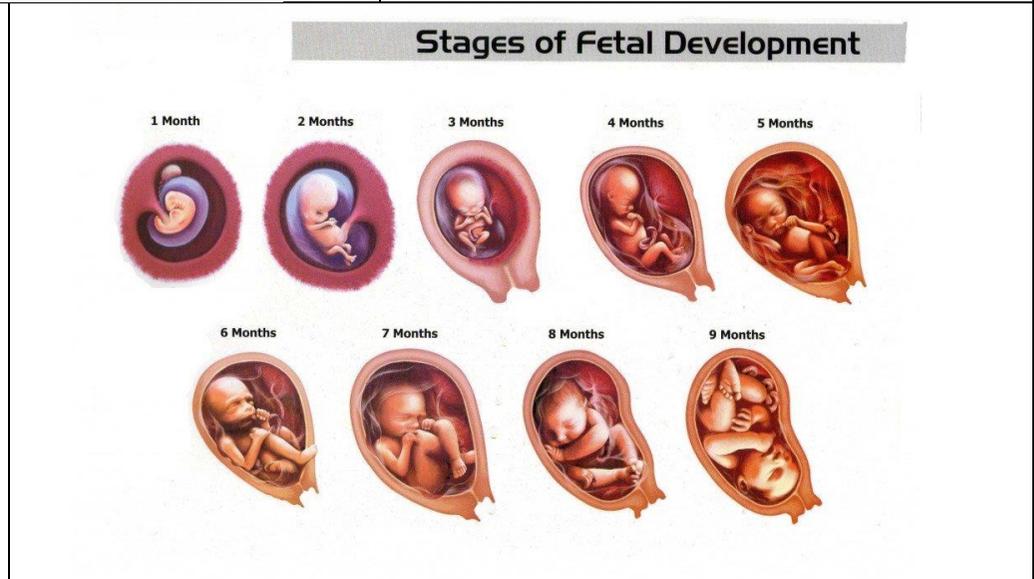
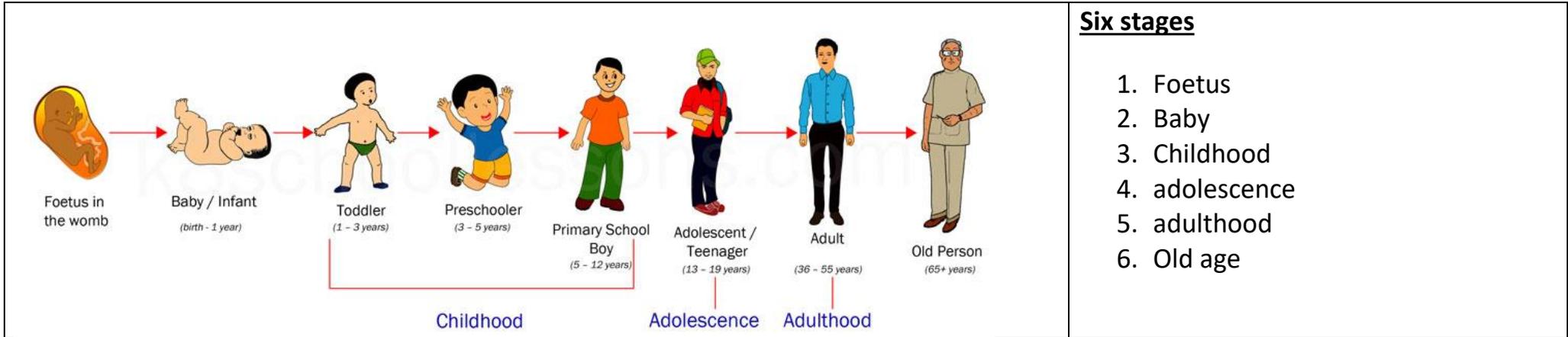
Describe the changes as humans develop to old age.

- name the different stages of the human life cycle.
- describe the gestation period of different mammals.
- Explain the changes that take place to the body during puberty (link to Year 5 PSHE)
- Can draw conclusions from data relating, for example, to the length or weight of a baby during its first year of life.

### Vocabulary

<p><b>Gestation</b></p> <p>The process or period of developing inside the womb between conception and birth.</p>	<p><b>Fetus</b></p> <p>An unborn or unhatched offspring of a mammal, in particular an unborn human more than eight weeks after conception.</p>	<p><b>Fertilisation</b></p> <p>The action or process of fertilizing an egg or a female animal or plant, involving the fusion of male and female gametes to form a zygote.</p>	<p><b>Species</b></p> <p>A group of living organisms consisting of similar individuals.</p>	<p><b>Baby</b></p> <p>A young infant</p>	<p><b>Toddler</b></p> <p>A young child who is just beginning to walk.</p>	<p><b>Adolescent</b></p> <p>A young person in the process of developing from a child into an adult.</p>
<p><b>Adult</b></p> <p>A person who is fully grown or developed.</p>	<p><b>Elderly person</b></p> <p>An adult who is old or ageing.</p>	<p><b>Puberty</b></p> <p>Puberty in the time when a boy or girl's body begins to develop and change, as they become an adult.</p>	<p><b>Hormones</b></p> <p>Chemical substances that act like messenger molecules in the body. After being made in one part of the body, they travel to other parts of the body where they help control how cells and organs do their work.</p>	<p><b>Pituitary gland</b></p> <p>The major endocrine gland, a pea-sized body attached to the base of the brain that is important in controlling growth and development and the functioning of the other endocrine glands.</p>	<p><b>Follicles:</b></p> <p>Tubes in the skin in which hairs develop.</p>	<p><b>Nerves</b></p> <p>Cords which transfer information from sense organs to the brain and from the brain to muscles.</p>

**Knowledge**



**Websites to use:**

Websites to support planning

<https://www.bbc.co.uk/bitesize/topics/zgssgk7/articles/z2msv4j>

[www.sciencekids.co.nz/pictures/humanbody/humanorgans.html](http://www.sciencekids.co.nz/pictures/humanbody/humanorgans.html)

<https://www.stem.org.uk/resources/community/collection/13293/year-5-animals-including-humans>

<https://padlet.com/PSTEM/animalsy5>

**Working scientifically skills/Enquiry types:**

Comparing gestation periods between different mammals.- pattern seeking

Identifying, classifying and grouping- recording data using bar graphs – looking at pictures of people at different age groups, children to categorise, starting with a tally chart and transferring it to a tally.