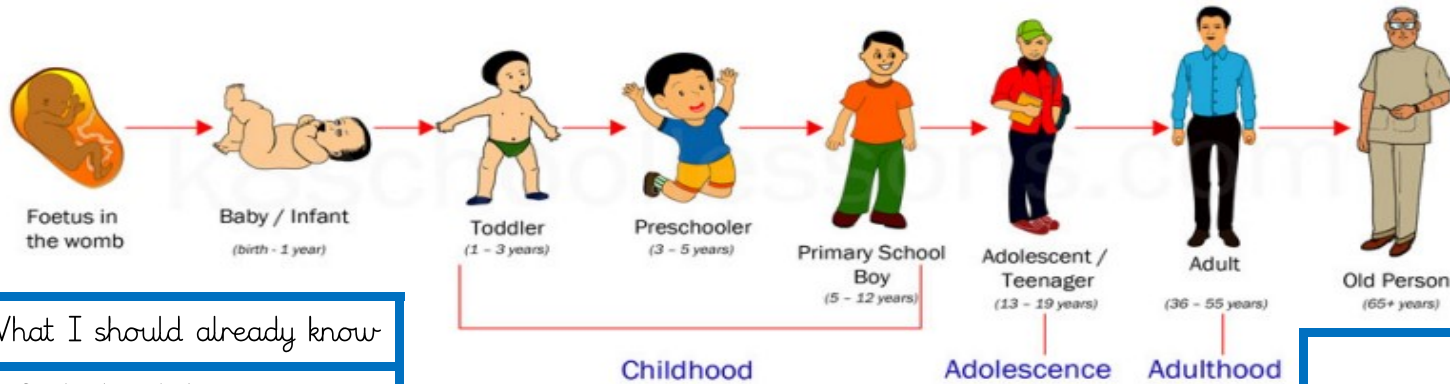




## Year 5 - Animals, including humans - Biology



### What I should already know

- Sticky knowledge from topics covered in Year 1, 2, 3 and 4; animals including humans, living things and plants.
- Puberty unit in RHE and Journey in love.

### Working Scientifically

- Observe and compare the life cycles of plants and animals in their local environment with other plants and animals around the world (in the rainforest, in the oceans, in desert areas and in prehistoric times).
- Ask pertinent questions and suggest reasons for similarities and differences.
- Observe changes in an animal over a period of time comparing how different animals reproduce and grow.

### Sticky Knowledge

- ◆ During sexual reproduction in animals, the male and female sex cells combine in a process called fertilisation. This can occur internally or externally. During fertilisation, a fertilised egg cell will grow, divide and start to develop limbs.
- ◆ The life cycles of most mammals is very similar, however the period of time for each stage varies e.g. larger animals have longer gestation periods.
- ◆ The key changes in human development during puberty in girls and boys.
- ◆ They key changes in human development during old age.
- ◆ Understand that life expectancy is the length of time an animal/human is expected to live.

### Vocabulary

fertilisation	The process in which a male and female sex cells combine.
ovary	A female organ which produces eggs (female sex)
sperm	Male sex cells.
embryo	A fertilised egg.
sexual reproduction	The production of a new living organism when a male and female sex cell combine.
asexual reproduction	Reproduction involving a single organism.
clone	Two organisms that are genetically identical.
gestation	Process or time when prenatal development occurs before birth.
reproduce	To produce young.
puberty	Physical stage of development between child and adulthood.