



# HAWTHORN PARK COMMUNITY PRIMARY SCHOOL

Where Care and Learning Count

Headteacher: Mrs Jeni Houghton



Science Knowledge Organiser

Area: Animals, including humans

Year Group: 5

### Statutory guidance:

#### By the end of this unit pupils will be able to:

- Describe the changes as humans develop from birth to old age

### Notes and guidance (non-statutory)

Pupils should draw a timeline to indicate stages in the growth and development of humans. They should learn about the changes experienced in puberty.

Pupils could work scientifically by researching the gestation periods of other animals and comparing them with humans; by finding out and recording the length and mass of a baby as it grows.

### Key Vocabulary

1. fertilisation	The process of the male and female sex cells fusing together.
2. prenatal	The stage of development from the time of fertilisation to the time of birth.
3. gestation	The process or time when prenatal development takes place before birth.
4. reproduce	To produce young.
5. asexual reproduction	A process where one parent produces new life.
6. sexual reproduction	A process where two parents, one male and one female, are required to produce new life.
7. life cycle	The changes a living thing goes through, including reproduction.
8. adolescence	The social and emotional stage of development between childhood and adulthood.
9. puberty	The physical stage of development between childhood and adulthood.
10. menstruation	When the female body discharges the lining of the uterus. This happens approximately once a month.
11. adulthood	The stage of development when a human is fully grown and mature.
12. life expectancy	The length of time, on average, that a particular animal is expected to live.

### Key Assessment Questions

Can they describe the changes as humans develop to old age?  
 Can they use basic ideas of inheritance, variation and adaptation to describe how living things have changed over time?  
 Can they use a graph to answer scientific questions?  
 Can they present a report of their findings through writing, display and presentation?

#### Greater Depth:

Can they create a timeline to indicate stages of growth in certain animals, such as frogs and butterflies?  
 Can they describe the changes experienced in puberty?  
 Can they draw a timeline to indicate stages in the growth and development of humans?



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