Year 5 Animals Including Humans
Science Knowledge Organiser
Knowledge   Skills   Vocabulary

The Human Life Cycle
fertilised egg → foetus → baby → child → teenager → adult → old age → death

Curriculum Coverage

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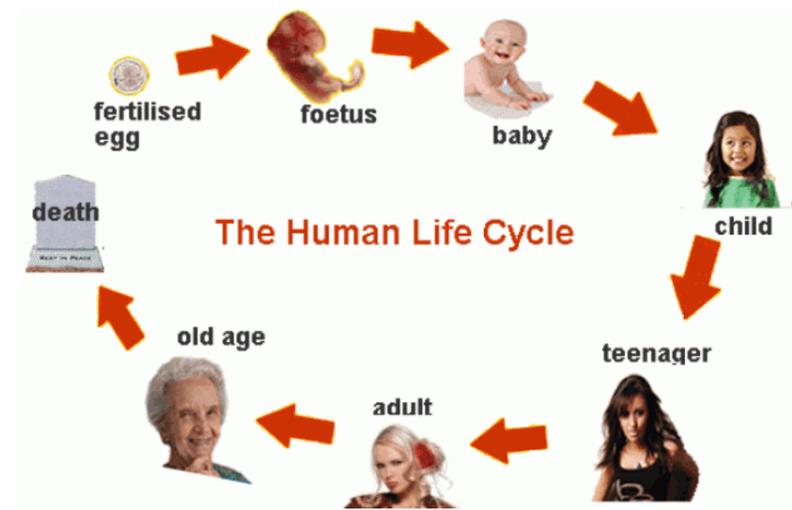
Pattern Seeking

Skills Progression

- To be able to raise different types of questions

- To be able to communicate data using a scatter graph

- To be able to present conclusions

- To be able to use evidence to refute or support an idea

- To be able to record data within tables

- To be able to record data using line graphs

- To be able to plan an enquiry that will answer a scientific question.

Knowledge Progression

Can I describe the changes as humans develop from birth to old age?

How long are the gestation periods of different animals?

Is there a relationship between the mass of an adult animal and the length of the gestation period?

How does the weight of a baby change?

How does the length of a baby change over time?

What is the height of children at different ages?

What happens to the human body during puberty?

What happens to adults as they become older?

Scientific vocabulary

Gestation, foetus, fertilisation, species, baby, toddler, adolescent, adult, elderly person, puberty, hormones, pituitary gland, testosterone, oestrogen.

Scientific enquiry

What changes do humans go through from birth to death? When and where do these changes occur in the human life-cycle? What causes the changes in humans? What is the purpose of the changes in humans? Do all animal or mammal bodies change in the same way that human bodies do? Are there links or patterns between the ways humans develop and the way other animals develop? How can I track these changes to show their progression? Can I use what I know about human changes to make scientific predictions about other human or animal changes?
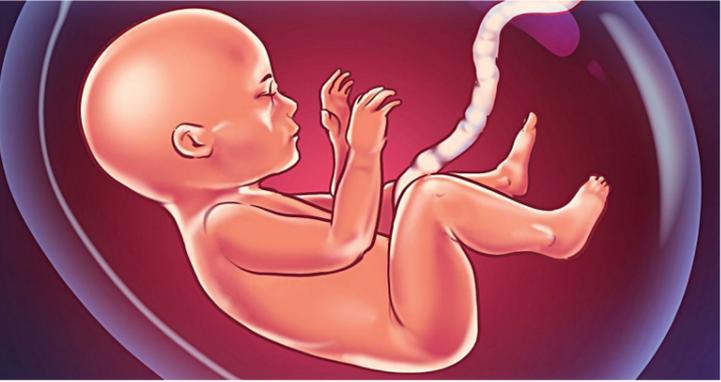
Identifying and Classifying

Observing over Time

Scientific Inquiry
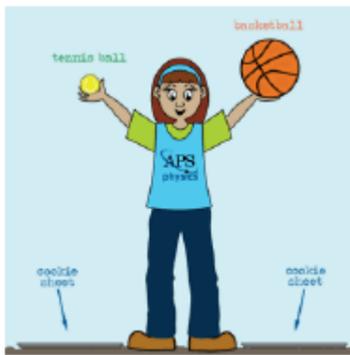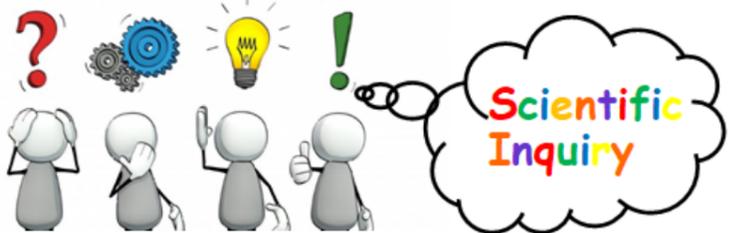
Fair Testing

Researching