

# How different will you be when you are as old as your grandparents?

1. How do humans change as they grow?
2. What were you like when you were a baby?
3. What are the changes as humans develop to old age?
4. What is a gestation period?
5. Why do some animals live longer than others?
6. What would you say to your future self?

## Hook for Learning:

- Human foetal development video clip.
- Legal ages to e.g. drive a car, vote, have a bank card.
- Texts: Big Cat, Little Cat, Nowhere Emporium, Hungry Caterpillar

## Vocabulary:

- life cycle
- gestation
- growth
- reproduce
- fetus
- baby
- fertilisation
- toddler
- obese
- puberty
- precision
- child
- teenager
- adult
- old age
- life expectancy
- adolescence
- adulthood
- embryo

## We learn the following scientific knowledge and skills:

- Create a timeline to indicate stages of growth and development in humans? **(1)**
- Describe the changes as humans develop to old age? **(1,2,3,)**
- Know that parents pass on their characteristics to their offspring **(1,2, 3,)**
- Find out about the gestation period and life expectancy of other animals **(4,5,)**
- Record more complex data and results using tables and bar charts? **(2,5,)**
- Find out and record the length and mass of a baby as it grows **(2)**
- Compare the growth of human babies to other animals **(5)**
- Learn about the changes experienced during puberty **(Y5 Puberty talk during Summer term)**

## As Talkers can we...?

- Discuss what elements of a healthy lifestyle we already do and which we need to focus on and why?
- Listen to others responsively in discussion and link own ideas clearly to others' views?

## As Thinkers can we...?

- Understand that attitude and behaviour can affect lifestyle, and consider what impact this may have?
- Understand that attitudes and behaviours change as people continue to develop throughout their lives?

## Using Technology can we...?

- Create a PowerPoint to show the 'Seven Ages of Man' - how humans develop from birth to old age.

## As Mathematicians can we...?

- Record data in a graph or chart to show how babies grow (length and mass)

## As Writers can we...?

- Write a letter to our future selves including who we are now and our hopes for the future including self-reflection and an informal style.

**Previous knowledge from Year 2: How do I keep myself healthy?**

- I can explain the journey from baby, toddler, child, teenager to adult in humans
- I can explain that animals grow from offspring into adults

**Expected outcomes from this unit**

**Exceeding:**

- I can explain Mendel's work on inheritance and show the variety of characteristics that can be passed onto offspring through a diagram
- I know the terms DNA, mutation and genes and how these effect inheritance of characteristics

**Secure:**

- I can draw a timeline to show the stages of growth and development in humans
- I can explain the body changes that happen during puberty
- I can research the gestation periods of different animals and compare with humans
- I can find out and record the length and mass of a baby as it grows
- I know that parents pass on their characteristics to their offspring
- I can compare the growth of human babies to other animals
- I can explain the changes as humans develop to old age