

Goonhavern Primary School- Science

TOPIC: Animals including Humans

YEAR: 5

STRAND: Biology

What should I know already?	What will I know by the end of the unit?	
<ul style="list-style-type: none"> Animals can be grouped into vertebrates (and then further into fish, reptiles, amphibians, birds and mammals). Some examples of life cycles (including those of plants and humans) How to live a healthy lifestyle. 	<p>What are the main stages of the human life cycle?</p>	<p>foetus - an unborn animal or human being in the very early stages of development</p> <p>newborn - this is a baby that has just been born.</p> <p>infancy - this is a period of rapid change. Many toddlers learn to walk and talk at this stage.</p> <p>childhood - children learn new things as they grow. They become more independent.</p> <p>adolescence - this is when the body starts to change and prepare itself for adulthood. Hormonal changes take place over a few years. This is also known as puberty.</p> <p>Early adulthood - this is when humans are usually at their fittest and strongest.</p> <p>middle adulthood - changes such as hair loss may happen. There are also some hormonal changes again and the ability to reproduce decreases.</p> <p>late adulthood - there is a decline in fitness and strength.</p>
	<p>What is puberty?</p>	<ul style="list-style-type: none"> Puberty is the change that happens in late childhood and adolescence where the body starts to change because of hormones. Some changes include growth in height, more sweat, hair growth on arms and legs, under the armpits and on genitals, and growth in

		parts of the body such as male genitals and breasts. <ul style="list-style-type: none"> Females begin to menstruate.
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Vocabulary	
Adolescence	The period of your life in which you develop from being a child to being an adult.
Development	The gradual growth of something.
Foetus	An animal or human being before it is born.
Genitals	The reproductive organs.
Hormones	A chemical in the body that makes you do something.
Infancy	When you are a young child.
Life cycle	Cycle and changes from the beginning of life until its death.
Menstruation	A monthly discharge of blood by a non-pregnant woman from puberty.
Puberty	The stage in someone's life when their body starts to become physically mature.
Reproduction	When an animal or plant produces one or more individuals similar to itself.

Image/diagram that helps me to articulate my knowledge/understanding	Investigate!
<p>The diagram illustrates the human life cycle with six stages: baby, toddler, child, teenager, adult, and elderly. Arrows show the progression from baby to toddler, toddler to child, child to teenager, teenager to adult, and adult to elderly.</p>	<ul style="list-style-type: none"> Research the gestation periods of other animals and compare them with humans. Collect data around school about height and hand span of different age ranges of pupils. Record the mean, mode and median height of pupils of different ages. Create a graph summarising results. Compare the growth pattern of humans to other animals. Consider why humans take so long to learn to walk in comparison to other animals. Create a Venn diagram to show what the similarities and differences are between children, adolescents and adults. <p>Link puberty with nurse visit</p>

