Year 5 Topic: Animals inc. humans



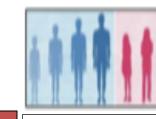
St Leonard's CE Primary Academy

Living and Learning Together with God's Help

Key questions:

- What is puberty?
- What is the growth and development of animals?
- How do we age to old age?
- What is the human ageing timeline?





Resilience & Tolerance

This topic will link to our 'resilience and tolerance' drivers, as we find out about how animals including humans develop, change and mature through life.

What you should already know...

- Food chains are used to show how living things get their food
- Food chains are made up of producers and consumers
- Humans have incisor, canine, pre-molar and molar teeth, each with different jobs. Animals have different make-ups of teeth depending on their food.
- The digestive system has several functions, including ingestion, absorption and excretion. It is made up of

Vocabulary

Fertilisation Prenatal	The process of the male and female sex cells fusing together The stage of development from the time of fertilization to the time of birth.	
Gestation	The process or time when prenatal development takes place before birth	
Reproduce	To produce young	
Asexual	A process where one parent produces new life	
reproduction		
Sexual	A process where two parents - one male one female - are required to	
Reproduction	produce new life	
Life cycle	The changes a living thing goes through, including reproduction	
Adolescence	The social and emotional stage of development between childhood and adulthood	
Puberty	The physical stage of development between childhood and adulthood	
Menstruation	When the female body discharges the lining of the uterus. This happens approximately once a month	
Adulthood	The stage of development when a human is fully grown and mature	
Life expectancy	The length of time, on average, that a particular animal is expected to live	

	Key Facts and D	ales	
What is puberty?	Puberty is when a child's body begins to grow, change and develop as they become an adult. In humans, puberty normally begins around age 11-12, however it can take place any time from age 8-14. Puberty happens when pituitary glands begin to release hormones.		
	Males	Females	
	-Boys grow taller. They develop more muscle mass, and their chest and shoulders broaden. -Boys' voices become deeper. Their skin becomes oilier, meaning they may get spots.	-Girls grow taller. They develop breasts, and their hip bones widen. The body becomes curvier. -Boys' voices become deeper. Their skin becomes oilier, meaning they may get spots.	
	-Hair begins to grow on their faces and bodies, including armpit and pubic hair.	-Hair begins to grow on their bodies, including armpit and pubic hair.	
	-Penis and testicles grow larger. The testicles begin to make millions of sperm.	-Menstruation begins. Girls begin to have periods, and their uterus (womb) begins to grow.	

What is the Animals use some of the growth energy from the food they Gestation Period development Gestation Period: 9 months Cestation Period Gestation Perio Gestation Period: 20 days 22 months 2-3 months 10-12 months eat to grow. During the of animals? growth process they change Sexual Maturity exual Maturit al Maturity xual Maturity: 11-17 year 4-6 weeks 10-12 years 10-12 years and mature into an adult -Life Expecto 80 years Life Expecta 1 year Life Expecta 70 years Life Expecta 90 years similar to humans. This process is known as development. Muscle mass decreases and muscles lose strength. Wrinkles develop on the How do we

skin, and it loses elasticity. Hair begins to turn grey/white. Many people begin age to old to lose the hair on their heads. Fertility decreases. People begin to shrink in age? height as bones and cartilage become worn down. Organs begin to lose their effectiveness, and the senses become weaker

