



Welton Primary School—Science Knowledge Organiser



Year: 5

Animals including Humans

Biology

What should I already know?

- I know that animals including humans have offspring which grow into adults.



Vocabulary

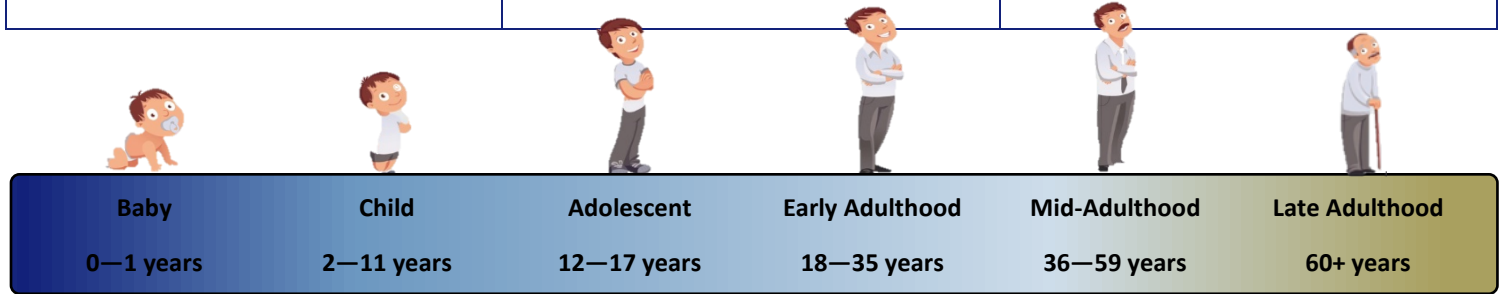
puberty The stage in someone's life when their body starts to

Growth and Development of Animals

House Mice	African Elephants
Gestation Period: 20 days	Gestation Period: 22 months
Sexual Maturity: 4-6 weeks	Sexual Maturity: 10-12 years
Life Expectancy: 1 year	Life Expectancy: 60 years
	
Saltwater Crocodiles	Blue Whales
Gestation Period: 2-3 months	Gestation Period: 10-12 months
Sexual Maturity: 10-12 years	Sexual Maturity: 10 years
Life Expectancy: 70 years	Life Expectancy: 90 years
	

Growth and Development of Humans

Childhood	Puberty	Adults to Old Age
<p>When babies are born they are very dependent on their parents. As they grow into infants and children they undergo rapid change.</p> <ul style="list-style-type: none"> Get taller and muscle mass increases. Their bodies get stronger. Learn to walk and talk. Learn to control their bladder and use the toilet. Brains grow and they learn new skills and knowledge. Become more independent and less reliant on adults for their care. 	<p>Puberty is when a child's body begins to grow, change and develop as they become an adult. Puberty happens when the pituitary glands begin to release hormones.</p> <p>Boys</p> <ul style="list-style-type: none"> Grow taller and develop more muscle mass. Their chest and shoulders broaden. Voices become deeper and skin becomes oilier making them more prone to spots. Hair begins to grow on their faces and bodies. Penis and testicles grow larger. The testicles begin to make million of sperm. <p>Girls</p> <ul style="list-style-type: none"> Grow taller. They develop breasts and their hip bones widen and become curvier. Hair begins to grow on their body. Menstruation begins. Girls have periods, and their uterus begins to 	<p>As adults get older their bodies undergo more changes.</p> <ul style="list-style-type: none"> Muscle mass decreases and muscles lose strength. Wrinkles develop on the skin and it loses its elasticity. Hair begins to turn grey/white. Men may begin to lose the hair on their heads. Fertility decreases. People begin to shrink in height as bone and cartilage become worn down. Organs begin to lose their effectiveness, and the senses become weaker.
		



Human Ageing Timeline