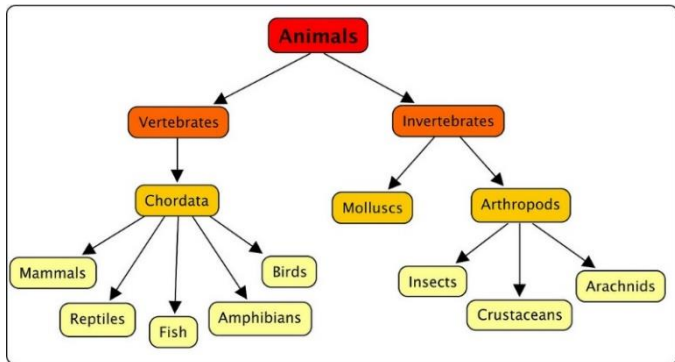


Colney Heath School - Science					
Topic: Animals including Humans		Year: 5		Biology	
What should I already know?		Diagrams		Vocabulary	
<ul style="list-style-type: none">- Animals can be grouped into vertebrates (and then further into fish, reptiles, amphibians, birds and mammals).- Some examples of life cycles (including those of plants and humans).- Reproduction and growth are two of the seven life processes.- How to live a healthy lifestyle.		<h3>Classification of Animals</h3> 		Mammal	A warm-blooded vertebrate animal, distinguishable by the possession of hair or fur, females secreting milk for young and typically giving birth to live young
				Reproduction	The production of offspring by a sexual or asexual process
				Sexual reproduction	This requires male and female parts and happens in both plants and animals. The offspring has some of the characteristics from both parents.
				Offspring	A person's child or children / an animal's young.
				Metamorphosis	The process of transformation from an immature form to an adult form in two or more distinct stages.
				Lifespan / Life expectancy	The length of time for which something is alive.
				Egg	A round object that contains a growing embryo.
				Embryo	An animal that has not been born (or hatched) yet.
				Hatching	When an egg breaks to allow a young animal to come out.

The Big Picture

Puberty

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 anytime from age 8-14. Puberty happens when the pituitary glands begin to release hormones.

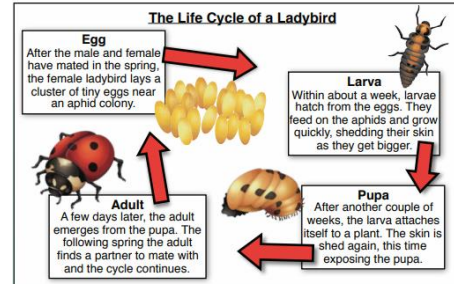
Fetal Growth From 8 to 40 Weeks



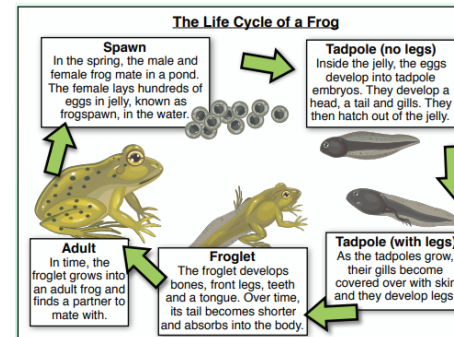
Growth and Development of Animals

Humans	House Mice	African Elephants	Saltwater Crocodiles	Blue Whales
Gestation Period: 9 months	Gestation Period: 20 days	Gestation Period: 22 months	Gestation Period: 2-3 months	Gestation Period: 10-12 months
Sexual Maturity: 11-17 years	Sexual Maturity: 4-6 weeks	Sexual Maturity: 10-12 years	Sexual Maturity: 10-12 years	Sexual Maturity: 10 years
Life Expectancy: 80 years	Life Expectancy: 1 year	Life Expectancy: 60 years	Life Expectancy: 70 years	Life Expectancy: 90 years
				

The Life Cycle of a Ladybird



The Life Cycle of a Frog



By the end of our project we will know that

The life cycle of a living thing is a series of stages of development starting with a fertilized egg in animals or a seed in many plants. In most mammals (e.g. dogs) a fertilized egg develops in the womb into an embryo and is then born and fed on milk before it is weaned onto the food that is adapted to eat; it then develops to maturity in a period called adolescence after which it can reproduce and the cycle can begin again.

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 and hair growth on arms, legs and under the armpits

Biology

B1: Living things are special collections of matter that make copies of themselves, use energy and grow.

B2: Living things on Earth come in a huge variety of different forms that are all related because they all came from the same starting point 4.5 billion years ago.

B3: The different kinds of life, animals, plants and microorganisms, have evolved over millions of generations into different forms in order to survive in the environments in which they live.

Human Ageing Timeline

