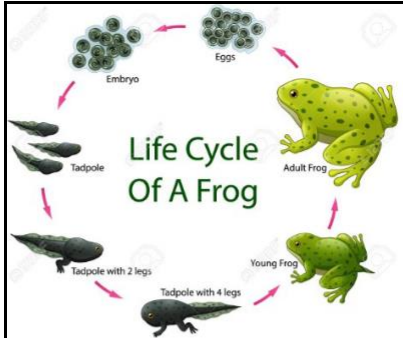
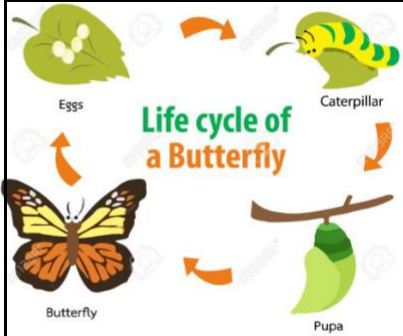
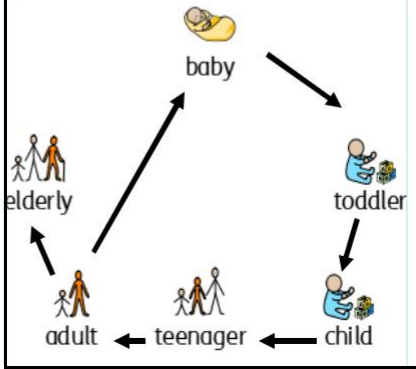


St. Veronica's Primary School – Science Knowledge Organiser

Topic: Animals including humans		Year: 2	Strand: Biology
What should I already know? There are five types of vertebrates (mammals, fish, reptiles, amphibians, birds) Vertebrates are animals that have a backbone. Some animals are suitable to be kept as pets but others are not. Some animals give birth to live young but others lay eggs. Doctors and nurses give us medicine when we are poorly.		Investigate! Match animals to their offspring Compare and contrast offspring to their parents. Compare the heights/hand spans of people at different stages of their lives. Order the stages in human life. Write an instruction text about how to look after pets. Investigate how animals are cared for in zoos and farms. Research animal charities, such as the RSPCA, and how they keep animals safe. Record a food diary and evaluate your diet. Collect information about favourite foods and present it in a pictogram or bar chart. Participate in a series of exercises and investigate how each exercise: - makes your body feel - affects your breathing - uses each of your muscles	
What will I know by the end of the unit?			
What is a life cycle ?	A life cycle is the series of changes that an animal or plant passes through from the beginning of its life until its death. Animals, including humans, have offspring which grow into adults.		
  			
What do all animals need to survive ?	All animals need water, air and food to survive .		
What do humans need to be healthy ?	To keep healthy, humans need: - to eat a balanced diet and healthy food - some exercise to keep their muscles and bones healthy - to take medicines that are given by doctors and nurses when feeling poorly - to keep good hygiene by washing regularly, having clean clothes, brushing teeth and hair.		
Vocabulary			
backbone	the column of small linked bones down the middle of your back		
balanced diet	a variety of food that you regularly eat		
bar chart	a chart which uses bars to represent the value of something and comparing it to a different group 		
bones	the hard parts inside your body which form your skeleton		
disease	an illness which affects people, animals, or plants		
exercise	When you exercise , you move your body energetically in order to get fit and to remain healthy		
farm	an area of land used to produce crops or to breed animals and livestock		
healthy	well and not suffering from any illness		
hygiene	keeping yourself and your surroundings clean, especially in order to prevent illness or the spread of diseases		
life cycle	the series of changes that an animal or plant passes through from the beginning of its life until its death		
medicine	the treatment of illness and injuries by doctors and nurses		
muscles	something inside your body which connects two bones and which you use when you make a movement		
offspring	a person's children or an animal's young		
pet	a tame animal kept in a household		
pictogram	a simple drawing that represents something 		
skeleton	the framework of bones in your body		
survive	continue to exist		

St. Veronica's Primary School – Science Knowledge Organiser

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Question 1: Tick all the things that all animals need to survive:	Start of unit:	End of unit:
water		
exercise		
air		
food		

Question 2: How can humans keep healthy?	Start of unit:	End of unit:
exercise		
balanced diet		
medicine when given by a doctor or nurse		
look after animals		

Question 3: The word offspring means.....:	Start of unit:	End of unit:
a form of gymnastics		
to go on and then off		
a season of the year		
a person's children or an animal's young		

Question 4: Place these in order of how they happen in the life cycle of a human:	Start of unit:	End of unit:
toddler		
elderly		
adult		
baby		

Question 5: How can you maintain good personal hygiene?	Start of unit:	End of unit:
brush teeth		
wash regularly		
brush hair		
wear clean clothes		
all of the above		