

# Jeavons Wood Primary School – Science Knowledge Organiser

**Topic: Animals including Humans**

**Year: 2**

**Strand: Biology**

## Big Question: How does a baby animal grow into a healthy adult?

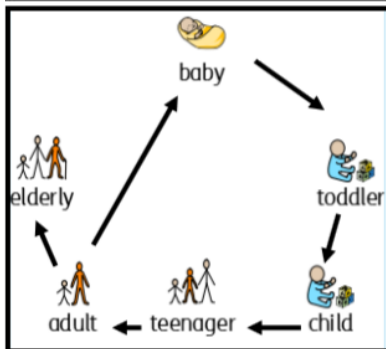
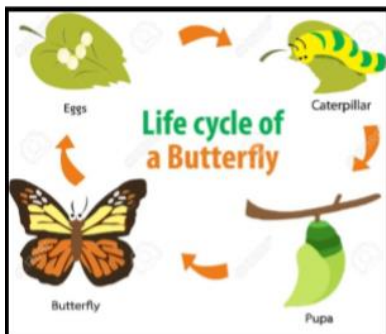
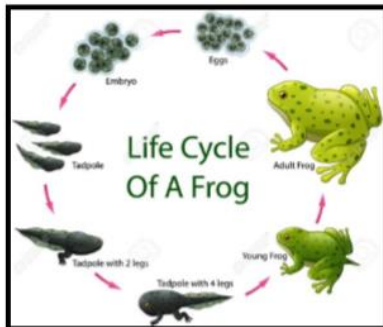
### What should I already know?

- \*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.

### 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



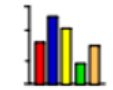

What do all animals need to survive?

\*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   bar chart
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 or pictorial representation of statistics on a chart or graph   pictogram
skeleton	the framework of bones in your body
survive	continue to exist

### Where will my learning go next?

**In Year 3:** Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat. Identify that humans and some other animals have skeletons and muscles for support, protection and movement.

**In Year 4:** Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety of food chains, identifying producers, predators and prey.

**In Year 5:** Describe the changes as humans develop to old age.

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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		