

St Clement's Catholic Primary School - Science

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.



What will I know by the end of the unit?

Growth in animals	Animals become older and change as time passes
3 examples of animal growth	Egg > chick > chicken Egg > caterpillar > pupa > butterfly Spawn > tadpole > frog
Example of human growth	Baby > toddler > child > teenager > adult
Things animals need to survive	Water Food Air Shelter
Things humans need to be healthy	To have a balance diet of the right amount of different types of food and drink. To exercise regularly To be hygienic
What is a balanced diet?	See the Eatwell Guide (https://www.nhs.uk/live-well/eat-well/the-eatwell-guide/) Drink 6-8 cups/glasses of fluids each day
What is regular exercise?	Adults need to be active for at least 150 minutes each week Children age 5 to 16 need to be active for at least 60 minutes each day Children under 5 need 3 hours of activity a day
What is good hygiene?	To maintain daily personal hygiene of washing hands, face, body and teeth

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

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

