

Year 2 Science

Biology : Animals including humans

What we already know:

I can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.
I can describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).
I can identify and name a variety of common animals that are carnivores, herbivores and omnivores.

What's next?

In Year 3, we will be identifying that humans and some other animals have skeletons. We will also be investigating nutrition and the needs of animals and humans.

Mammals – How can we help to care for a pet?

All animals need four main things to survive. Survival means having everything needed to live.

Mammals have fur and give birth to live young. We are a human, and humans are mammals.



Dolphins and whales are also mammals who live in water. They come to the surface of the water to breathe.

All mammals need food, water, air and oxygen.

A pet animal needs fresh clean water, fresh food to eat and plenty of air to breathe. Food gives energy to an animal.

How can we help birds and amphibians to survive? (2/3)

Birds need water, food, air and shelter to survive.

Birds are insectivores. This means they like to eat insects.



Birds like to eat seeds.

Amphibians need water, food and air to survive too.

Amphibians skin can absorb oxygen from water or they have gills like fish.



Humans – How can we keep ourselves healthy and clean? (5/6/7)

Exercise

Exercise is important for humans to keep healthy. There are muscles in our body.

Exercise makes my muscles stronger so I can run faster, lift more and play more. We should try and be active every day.



Food

Humans need a varied diet to keep healthy.

Some foods we should eat in smaller portions to keep healthy.

By making healthy choices my body will get enough energy.



How can we sort animals by their needs for survival? (4)

All animals need water, food, air and shelter to survive.

All animals need air.

Mammals breathe through their lungs.

Fish take oxygen from the water through their gills.

All animals need food.

Animals eat different types of food and are carnivores, herbivores, omnivores or insectivores.

All animals need water.

Fish and amphibians need water to move in and live in.

Fish have gills to take oxygen from the water.

Mammals, reptiles and birds need water to drink.

All animals need shelter.

If the habitat animals lived in didn't have any rainwater or streams / lakes they would not survive.



Hygiene

Hygiene means to keep yourself clean.

We need to keep our hair and body clean.

Hands should be washed in warm water with soap to help keep them clean.



Teeth

We should brush their teeth twice a day.

When brushing your teeth we should use a toothbrush, toothpaste and a little bit of water.

Vocab

Tier One

Water
Food
Drinking
Eating

Tier Two

Shelter	A place to stay or live.
Hygiene	Activity that you do to keep healthy and clean.
Exercise	Planned physical activities to keep healthy and fit.
Survive	continue to live or exist.
Breathing	moving air in and out of the lungs.
Air	Invisible gases
Diet	What food is eaten

Tier Three

Insectivore	Eats insects (minibeasts)
Gills	Body part to help fish breathe.
Carnivore	Eats meat only.
Herbivore	Eats plants.
Omnivore	Eats meat and plants.