#### **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 note)

I can identify and name a variety of common animals that are carnivores, herbivores and omnivores.

#### What's next?

Next term, we will focus on the human body. We will describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

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.

#### Human Lifecycle (1)

All animals have a lifecycle. They are born and grow.

Baby, toddler, child, teenager, adult

A baby cannot walk or talk and drinks milk from a mother.

A toddler is unstable and cannot communicate well.

A children is able to walk. They talk and eat for themselves.

A teenager is almost fully grown. An adult can look after themselves.

## Animal Lifecycle (2)

Life cycle of a hen (bird)
An egg is laid, the chick hatches from the egg, a chick is yellow and overtime their feathers change colour, an adult chick is called a hen.



Life cycle of a butterfly (insect)

An egg, caterpillar, pupa, butterfly



#### Basic needs of animals for survival (3/4)

Fish and amphibians need water, food and air to survive too.

They need water to move in and live in. Water has oxygen (the air we breathe) in it.

Fish have gills to take oxygen from the water. Amphibians skin can absorb oxygen from water or they have gills like fish.





Wild cats and dogs would hunt their food to survive

If they didn't catch their own food, they would not survive.

Cats and dogs would drink from streams, puddles in the wild.

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



# Vocab Tier One

. oang
Old
Drinking
Eating

Young

Her I Wo	
growth	the increases in height and weight and other changes
child	a young human being.
teenager	a person aged between 13 and 19 years
adult	a person who is fully grown or developed.
survive	continue to live or exist.
breathing	moving air in and out of the lungs.

Invisible gases

# Pet animal survival (5)

A pet animal needs fresh clean water, fresh food to eat and plenty of air to breathe. If the pet didn't have water it would become very thirsty.

A pet cat or dog needs to eat food twice a day. If the pet didn't have any water for a long time (3 days) it would not survive.

Food gives energy to an animal.

If the dog or cat didn't have food for about 1 week, it would not survive.





### Tier Three

Offspring

Reproduction