

Science – Year 2 – spring 1 and spring 2 – Growth and Survival

Vocabulary	Meaning
adult	A person or animal that has grown to full size.
develop	To grow or change into a more advanced, larger, or stronger form.
endangered	Animals or plants that may soon not exist because there are very few now alive.
exercise	Physical activity that you do to make your body strong and healthy.
extinct	Not now existing.
gestation	The period of the development of a child or young animal while it is still inside its mother's body.
growth	The process of increasing in size.
life cycle	The series of changes that a living thing goes through from the beginning of its life until death.
nutrition	Food needed to live.
offspring	The young of an animal.
pregnant	Having a baby or babies developing inside the womb.
proportion	The size, shape or level of something.
reproduce	To produce a new living thing of the same type as itself.
species	Animals or plants which have similar characteristics to each other and can breed with each other.

Skills

Ask, enquire, recall and remember

Identify similarities and differences between animals.

Sort a variety of food into the correct food group.

Plan a simple investigation.

Books



Knowledge

[1] All living things reproduce and have offspring. All young animals change at different stages as they grow into adults. [2] We must eat the right types of food in the right amount and exercise. [3] To stop illness and infection spreading, we must be hygienic and keep ourselves clean.

Some animals give birth to **live young**.

Their offspring normally look like them when they are born.

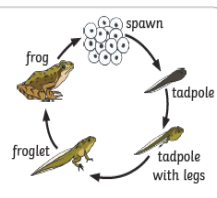
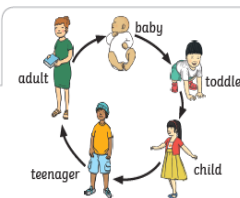


Some animals lay eggs which hatch into live young. This **young** then develops into an **adult**.

When these eggs hatch, some animals look like their adult, e.g. birds and reptiles.



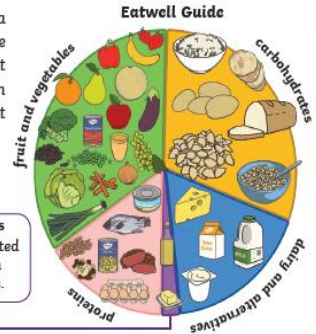
Other animals have offspring which do not look like them, e.g. fish and amphibians.



To stay alive, all animals have 3 basic needs:



To grow into a healthy adult, we must eat the right types of food in the right amount and **exercise**.



Water, lower fat milk, sugar-free drinks including tea and coffee all count.
6-8 a day

oils and spreads
Choose unsaturated oils and use in small amounts.

Eat less often and in small amounts.

What I should be able to do and know now.

Knowledge

Know what our senses are and why we have senses.

Name parts of the body.

Know life exists in a variety of forms and goes through cycles.

Name a variety of common animals including fish, amphibians, reptiles, birds and mammals.

Know what carnivore, herbivore and omnivore mean.

Skills

Know how to sort into groups and what sort means.

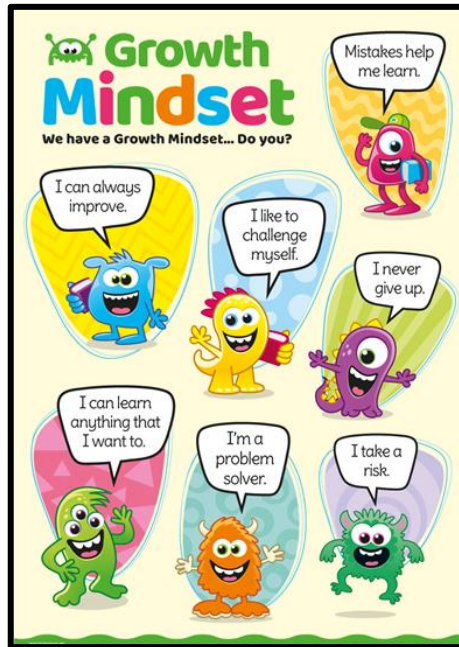
Identify a variety of common animals including fish, amphibians, reptiles, birds and mammals.

Say how common animals are similar / different to each other.

Ask simple questions and suggest answers.

Can give examples of how we can investigate.

Growth Mindset Strategies



What I will be learning

1. Facts about the offspring of a variety of different animals.
2. That growth from offspring to adult is a gradual and varied process.
3. The different ways in which animals reproduce.
4. What animals, including humans, need to survive.
5. How to eat a healthy, balanced diet.
6. Why exercise is important.

What I will know and be able to do at the end of the topic.

Explain how growth from offspring to adult is a gradual process.

Human: baby, toddler, child, teenager, adult.

Frog: frogspawn, tadpole, tadpole with legs, froglet, frog.

What are some of the different ways animals have offspring?

Some animals lay eggs for their babies to grow in while other animals grow babies in their tummies.

What do animals and humans need to survive?

To stay alive all animals and humans have 3 basic needs. These are air, food and water.

What is a healthy, balanced diet?

A healthy balanced diet is when you drink enough water and eat the right amount of foods from the different food groups.

Tell me about an animal that is extinct or endangered.
Dinosaurs are extinct, Panda bears and tigers are endangered.

Tell me about where you exercise in school.
Playtime, lunchtime, P.E. lessons, before school when we run around the yard.

Tell me how school lunches are healthy and balanced.
The school lunch has something from each food group and the portion size is right for me. It also has water to drink.