

Year 2 2023/2024



Term 2 Topics that have been covered

<u>Unit 4</u>

Humans and Animals Grow

- 4.1 Comparing Animals
- 4.2 Growing
- 4.3 Inheriting characteristics
- 4.4 Keeping Healthy
- 4.5 Teeth

Unit 5 Light

- 5.1 Light sources
- 5.2 Darkness
- 5.3 Shadows on the move

Objectives of unit 4

- > Find out how animals look similar and different.
- > Learn how humans and other animals change as they grow.
- > Find out why animals look similar to their parents.
- > Put children into groups using characteristics.
- > Find out how to keep healthy.
- > Find out why humans get ill and what it does to our bodies.
- Sort food into groups using the food pyramid.
 - **We** compare animals (including humans) depending how they look like.
 - The giraffe looks similar to the zebra because they both have four legs and a tail.
 - + The giraffe looks **different** from the zebra because it has a **longer neck**.
 - 🖊 A bird looks similar to a human because they both have two legs.
 - **4** Animals are classified into 5 groups.
 - 1. Mammals:
 - Mammals are warm-blooded.
 - Mammals' young drink their mother's milk. Mammals have hair or fur. They breathe with lung Mammals give birth to their offspring (young ones). Examples: Humans, whales and dolphins.
 - 2. Amphibians:

Amphibians are cold-blooded.
Amphibians live on land and in the water.
Amphibians lay eggs. Amphibians have moist skin.
Amphibians have webbed feet.
Example: Frogs.





Year 2 2023/2024



3. Reptiles:

Reptiles are cold-blooded. Reptiles have scales not fur. Reptiles have ear holes, not ears. Reptiles have dry skin. Examples: Snake, turtle



4. Fish :

Fish are cold-blooded.
Fish live in water.
Fish have fins not Legs.
Fish have gills instead of lungs, to breathe under water.
Fish lay their eggs in water.
Examples: Shark, clown fish



5. Birds:

Birds are warm-blooded. Birds have a beak. They breathe through lungs. Birds have wings. Birds have feathers. Birds have two legs. Examples: Parrot, Flamingo.



What do animals eat? (Animals eating habits) Animals need to eat to stay alive. Different animals eat different types of food. They are classified into 3 groups:

1. Carnivores:

Those are animals that eat only other animals, fish or insects. **Examples:** Lions, owls, cats.

2. Herbivores:

Those are animals that totally depend on plants for eating. These animals can eat leaves, grass, fruits, vegetables and nuts. **Examples:** Giraffes, rabbits, cows. Year 2 2023/2024



3. Omnivores:

Those are kinds of animals that eat both meat and plants. Humans are Omnivores. **Examples:** Humans, pigs, hedgehogs

Also Living things are classified into:

1. Vertebrates:

Those are living things with **backbones**. Example: Humans, sharks, zebras.

2. Invertebrates:

Those are living things with No backbones. Examples: Jellyfish, ants, butterflies.

Humans and other animals change as they grow.





baby





adult

old age

4 An offspring is the young of an animal or human.

child

When they are fully grown, we call the animals adults. The young of many animals look similar to the adults. But the young of some animals look different from the adults.

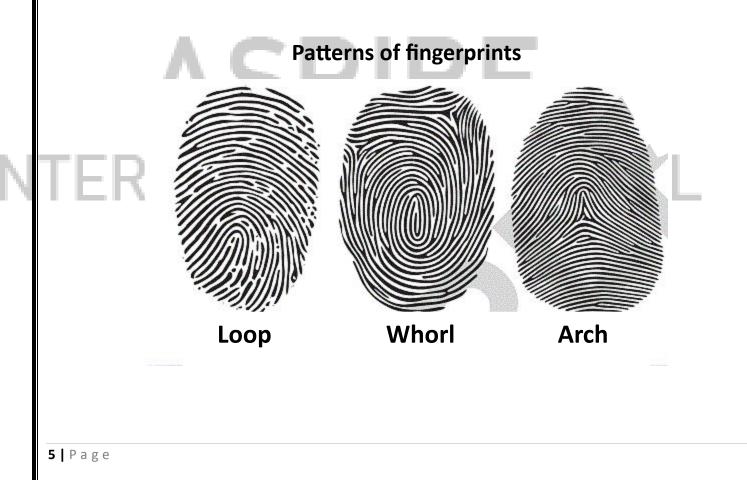
4 A **young** bear is called a **cub**. It looks very similar to **adult** bear.

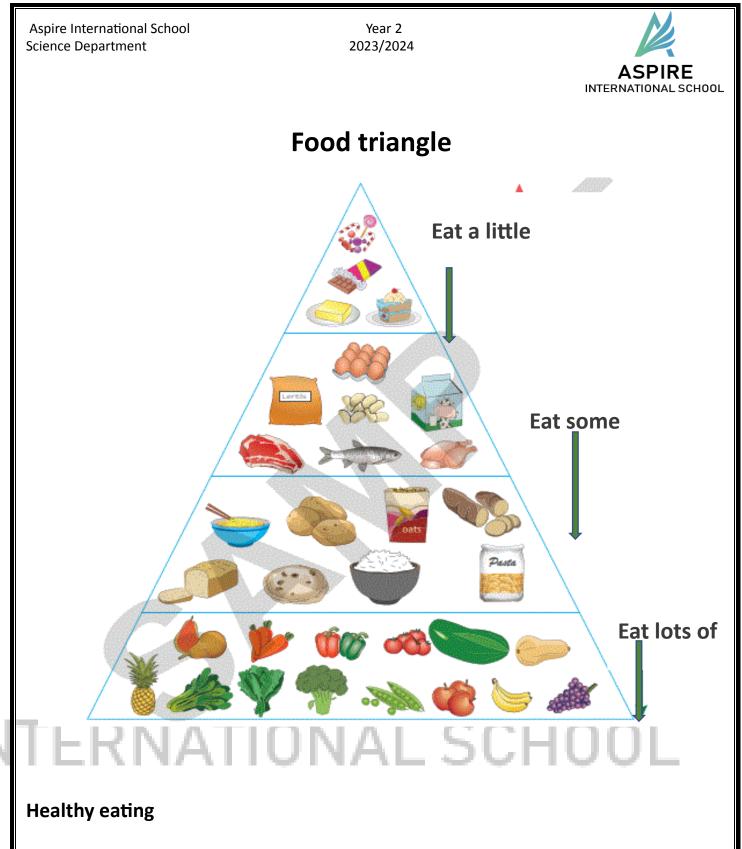
Year 2 2023/2024

A young penguin is called a chick. It looks very different from adult penguin.



- **4** A **young** elephant is called a **calf**. It looks very similar to **adult** elephant.
- Animals look similar to their parents but they do not look the same. We say they are not identical. This is because an animal inherits some characteristics from one parent and some characteristics from the other parent.
- Every tiger has a different pattern of stripes. A tiger cub's stripes are not the same as its parents' stripes, but they are similar.
- **4** Inheriting characteristics is to take from the parent's features.
- You've probably noticed that you might look like your parents. This is because you inherit characteristics (features) from them, like your eye colour, skin colour and height.
- **4** The only thing humans can't **inherit** from their parents is their **fingerprints**.
- **Wins** can be **identical** but have **different fingerprints**.





Food that is good for us is called **healthy food**. Humans need to eat lots of

different foods to stay **healthy**. The food we eat is called our **diet**.

4 This food triangle shows **how much** of each type of food we should eat.

4 If we do not have a healthy **diet** our bodies might not get what they need.

Year 2 2023/2024

4 This is one way we can become **ill**.



- We get sick or ill sometimes because of germs.
- **Germs** are living things that are too small to see.
- Some germs can make us ill. This happens when the germs get inside us and our bodies cannot kill them. This is another way we can become ill.

We can stop germs by:

- Wash our hands before and after eating.
- Wash your hands after going to the toilet.
- Do not eat dirty food or drink dirty water.
- Exercise or work out.
- Taking showers.
- Eating healthy food and drink lots of water.
- Sometimes germs can make us cough or sneeze. Cover your mouth when you cough or sneeze. This can stop germs getting to other people. Healthy people become ill less often. Their bodies are better at killing germs.
- **Exercising** is good for our **body and heart**.
- **Exercise** is when we use our **muscles** to move our bodies.
- Your heart is a muscle.
- **Exercise** is good for your heart. Exercising makes us **sweat**.
- We need to wash after exercising to keep clean.
- Keeping clean is another way to keep your body healthy.

Year 2 2023/2024



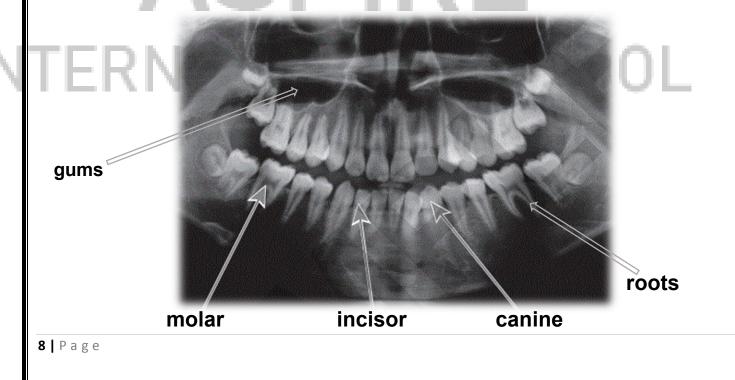
Looking after teeth

- We use our teeth to eat and we also use teeth to talk.
- > You can keep your teeth healthy by eating a **healthy** diet.
- > Calcium is a material that helps to make teeth strong.
- > Milk and other dairy foods, some beans and some fish have calcium in them.
- ➤ Food with lots of sugar is bad for teeth.
- Brush your teeth twice every day for two minutes to keep them clean.
- Use toothpaste with fluoride in it. Fluoride helps to make your teeth strong.
- Do not use too much toothpaste.
- Go to the dentist twice a year. The dentist will check your teeth are healthy and can help you look after them.

Types of teeth

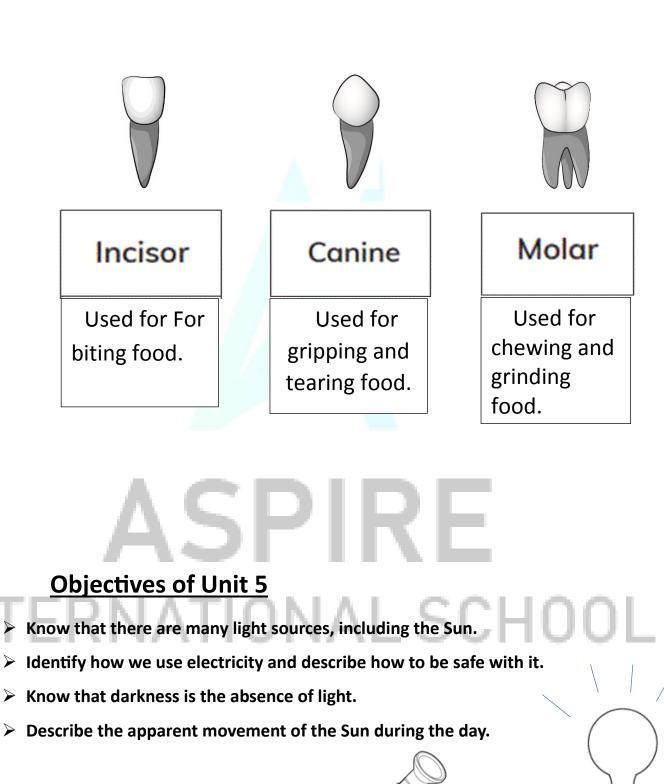
Humans have three main types of teeth:

Incisors, canines and molars. Teeth have roots to fix them to your gums.



Year 2 2023/2024





4 A light source makes its own light.

Year 2 2023/2024

- At night, **street lights** give us light. In the day time, we get most of our light from the Sun.
- 4 The **sun** is the **main** source of light.
- 4 Never look at the **Sun** as it will hurt your **eyes**.
- Light sources can be flames, electric lights, TVs and computer screens.
- **4** The **Moon** is **not** a light source, it **reflects** light from the Sun.
- 븆 The light from a light source **shines** onto things which we can then see.
- Some materials reflect light, they do not make light. They reflect light from a light source.
- **Glass** and **mirrors** are reflecting objects, they **reflect** light.
- **We see when light falls on objects around us and reflects to our eyes.**
- 4 If there is **no light** from a light source, it will be too **dark** to see.
- **When there's little bit of light or no light, it is dark.**
- We need some light to see things. At night we don't have sunlight, so we use light sources to make light.
- Bright colors reflect light more than dark colors.
- Our nearest star is the Sun.
- 4 The Sun is very bright and hot.
- 4 During day time, the Sun gives us light.
- **4** The **Sun** is a very big **light source**.
- **4** The **Sun** looks as though it moves across the sky and changes its position.



