



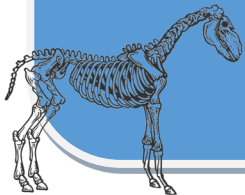
Knowledge Organiser

Skeletons

The skeleton has three main functions – support, protection and movement.

Many animals have a skeleton to support their body, help them move and protect their internal organs.

Skeletons are made from individual bones that are joined together with muscles and ligaments. This means skeletons can bend at joints such as knees and ankles.



Muscles

Muscles enable us to move our bones, because they are attached to the ends of the bones and can shorten or lengthen. When muscles contract (shorten) they allow us to move, so when any part of our body moves, muscles are in action!



Sketching Animals

To create a realistic drawing of an animal, you can sketch an outline and then add detail by using line and tone.



Key Vocabulary

Skeleton

Skull

Spine

Pelvis

Ribs

Muscles

Tendon

Contract

Pull

Bone

Attach

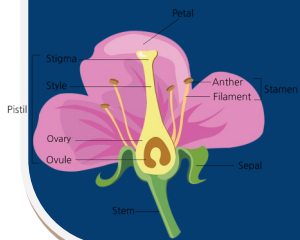


Knowledge Organiser

Plants

The different parts of the plant have different functions and are adapted to suit their particular requirements (e.g. Roots are long and branched to provide anchorage).

Water and nutrients are transported through the roots and stem to ensure the plant remains healthy.



Healthy Eating

Living things need food to grow, be strong and to be healthy. Nutrients are substances that animals need to stay alive and stay healthy. These nutrients are found in the foods we eat. The seven nutrients are: carbohydrates, protein, fibre, fats, vitamins, minerals and water. The Eatwell Guide helps us to make decisions about how to make sure we eat the right balance of nutrients in our diets.

| per 30g cereal: | | ENERGY | FAT | SATURATES | SUGARS | SALT |
|---|---------|--------|------|-----------|--------|------|
| 16 SERVINGS | 460kJ | 0.7g | 0.1g | 5.1g | 0.2g | |
| | 110kcal | LOW | LOW | HIGH | MED | |
| | 6% | 2% | 1% | 8% | 4% | |
| <small>% of an adult's reference intake. Typical values per 100g: Energy 1530kJ/360kcal</small> | | | | | | |



Key Vocabulary

Plants

Roots
Stem
Flower
Leaf
Lifecycle
Photosynthesis

Healthy Eating

Nutrients
Dairy
Fruit
Vegetables
Protein
Carbohydrates
Protein
Starch

Our Projects

- Making a moving muscle using card and rubber bands
- Animal fact file
- Creating a labelled animal skeleton