



Science Knowledge Organiser

This is biology.
Biology is the
study of living
things.

Animals, Including Humans

Scientist

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Key Vocabulary

- circulatory system
- blood
- heart
- blood vessels
- artery
- vein
- nutrients
- lungs
- oxygen
- carbon dioxide

Prior Knowledge

- I know the importance for humans of exercise, eating the right amount of different food and hygiene.
- I know that animals including humans need the right types and amount of nutrition. They cannot make their own food; they get nutrition from what they eat.
- I know the simple functions of the basic parts of the digestive system in humans.
- I know the different types of teeth in humans and their simple functions

Key Knowledge

Diet, exercise, drugs and lifestyle have an impact on the way our bodies function. They can affect how well our heart and lungs work, how likely we are to suffer from conditions such as diabetes, how clearly we think, and generally how fit and well we feel.

Regular exercise:

- strengthens muscles including the heart muscle;
- improves circulation;
- increases the amount of oxygen around the body;
- releases brain chemicals which help you feel calm and relaxed;
- helps you sleep more easily;
- strengthens bones.



The circulatory system is your body's delivery system. It is made up of your heart, blood and blood vessels. The human body needs a constant supply of blood to keep working. The circulatory system is centred on the heart, an organ that works constantly to pump blood around the body.

