

Carr Head Primary School - Knowledge Organiser

Science

Animals, including humans

Year 6

Spring 1

Key Knowledge

Circulatory system

The circulatory system is a network consisting of blood, blood vessels, and the heart.

Heart

The heart is a muscular organ in most animals, which pumps blood through the blood vessels of the circulatory system.

Blood

A liquid that circulates in the arteries and veins of humans and other vertebrate animals, carrying oxygen to and carbon dioxide from the tissues of the body.

Diffusion

Diffusion is a physical process where molecules of a material move from an area of high concentration (where there are many molecules) to an area of low concentration (where there are fewer molecules).

Balanced diet

A balanced diet is one that gives your body the nutrients it needs to function correctly.

Smoking

The action or habit of inhaling and exhaling the smoke of tobacco or a drug.

Key Vocabulary

Arteries

The arteries are blood vessels that deliver oxygen-rich blood from the heart to the tissues of the body.

Atrium

The atrium is the upper chamber through which blood enters the ven-

Osmosis

Osmosis is the movement of water through a plasma membrane from a region of low solute concentration to a region of high concentration.

Carbon dioxide

Carbon dioxide (CO₂) is a gas at room temperature. It is made of one carbon & two oxygen atoms. Animals release CO₂ when they breathe out.

Processed food

"Processed food" includes food that has been cooked, canned, frozen,

Stimulant

A stimulant is a drug which speeds up the central nervous system to in-

Know how to...

Working Scientifically

Explore the work of scientists and scientific research about the relationship between diet, exercise, drugs, lifestyle and health.

Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.

Identifying scientific evidence that has been used to support or refute ideas or arguments.

