



# Brookfield Primary School Knowledge Organiser

## Year 6: Science – Animals, including humans

Science is the study of the world around us through observation, description, investigation and experimentation.

### Key Facts:

- The heart pumps blood, carrying nutrients and oxygen, around every part of the body.
- The red vessels are arteries and the blue vessels are veins. Arteries have thick, muscular walls and carry oxygenated blood from the heart to the rest of the body. Veins carry deoxygenated blood back to the heart and have thinner walls. Capillaries are microscopic vessels which link the veins and arteries together.
- Red blood cells carry oxygen.
- White blood cells fight infection as part of the immune system. Platelets help to clot (thicken) the blood and form a scab.
- Plasma is the fluid part of the blood, which transports
- Drugs, including alcohol, can cause liver damage, poor sleep, high blood pressure, and different types of cancer. Drugs can be classified into four groups – painkillers, stimulants, depressants and hallucinogens.

### Where to look:



- BBC Bitesize
- Photographs
- Library



### Things to find out about:



What are the best ways to look after your heart?

### General Scientific Words/Phrases:

Enquire, investigate, observe, explore, experiment, describe, record, analyse, compare, evidence, record

### Key Vocabulary to use in this topic:

#### Word:

#### Definition:

Pulse	The rhythmical throbbing of the arteries as blood is pumped through them.
Diet	The kind of food an animal usually eats.
BPM	Beats per minute measuring heart rate.
Vessel	Tube which circulates the blood through the body.
Valve	Flaps which open and close to allow blood flow.
Oxygenated	Containing oxygen.
Deoxygenated	Not containing oxygen.
Ventricle	The lower chambers of the heart.
Atrium	The upper chambers of the heart.
Valve	Flaps which open and close to allow blood flow.

