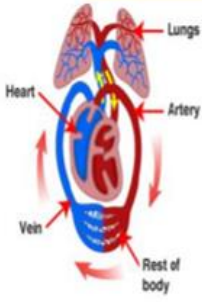


The Marist RC Primary School	Knowledge Organiser	
Year 6, Science Summer 1	Animals including humans	

Builds on and leads to ...	Enquiry/skills
Build on from Years 3 and 4... - Learning more about the main body parts and internal organs (skeletal, muscular and digestive system) to help them understand how the circulatory stem enables the body to function Leads to in KS3 ... - Organisms; movement, cells, breathing and digestion	- planning different types of scientific enquiries to answer questions - taking measurements, using a range of scientific equipment, with increased accuracy - recording data and results of increasing complexity using diagrams and line graphs - using test results or make predictions to set up further comparative and fair tests - explaining findings from enquiries in oral and written forms such as displays and other presentations - identifying scientific evidence that has been used to support or refute ideas or arguments

What will I know by the end of the unit?	Vocabulary
- identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood - recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function - describe the ways in which nutrients and water are transported within animals, including humans.	Arteries Muscular-walled tubes that transport blood from the heart to other parts of the body
	Blood Red liquid that circulates in arteries and veins, carrying oxygen to and carbon dioxide from tissues of the body
	Blood vessel A tubular structure carrying blood through the tissues and organs
	Carbon Dioxide A colourless gas that is one part carbon and two parts oxygen (CO ₂)
	Circulatory system The system that circulates blood through the body, including the heart, blood vessels and blood
	Heart A hollow muscular organ that pumps the blood through the circulatory system
	Lungs Pair of organs situated within the ribcage where oxygen can pass into the blood and carbon dioxide be removed
	Diet The food and drink consumed by a person
	Lifestyle The interests, opinions, behaviours of a person
	Nutrients A substance that provides nourishment essential for the maintenance of life and for growth
	Pulse A beating heart creates a pulse- as your heart pushes blood through your body you feel your pulse on wrist
	Oxygen A colourless gas essential to living organisms - taken up by animals and converted into carbon dioxide.
	Drugs A substance containing natural or man-made chemicals that has effect on your body
	Veins Tubes forming part of the blood circulation system of the body, carrying mainly oxygen-depleted blood towards the heart
	Exercise Is bodily activity that helps physical fitness and overall health and wellness.

Diagrams / Maps / Images



The Circulatory System

The heart

The heart pumps oxygen-rich blood to every cell in the body.

Blood vessels

A network of arteries and veins that provide the pathway for blood to travel.

Blood

- Transports oxygen and nutrients to the lungs and tissues
- Forms blood clots to prevent blood loss
- Carries cells to fight infection
- Brings waste products to organs



HEALTHY LIFESTYLE

A healthy and balanced diet and regular exercise is important in helping the body to

