



Unit Overview	I this unit the children build on their knowledge of the human body. They learn about the importance of the circulatory system and how it transports the nutrients we need to survive around the body. Children also learn about the harmful effects of drugs and alcohol on the circulatory system and how this effects people’s health.	
Prior Learning/ Links	EY – Describe how to keep healthy and stay clean, learning parts of the body. KS1 - The importance of keeping healthy during PE, measuring pulse. Children have learnt about the things bodies need to keep healthy and how to care for yourself. KS2 – Children learn more about he body and how to keep healthy. The children learn about what happens to food through the digestive system.	
Unit Title:		Disciplinary Knowledge
Key Questions: What is the function of the heart? How do nutrients enter the body? How does the circularity system work? What are the impact of smoking, drug misuse and unhealthy eating on the human body?	<ul style="list-style-type: none"> • Children can Identify the main parts of the human circulatory system and describe the main parts and functions of the system: the heart, blood vessels and blood. - To know that the heart pumps blood around the body so that food, nutrients and oxygen can get to all the organs of the body. - To know that there are 3 types of blood vessel and that they carry blood around the body: - Arteries carry oxygenated blood around the body - Capillaries enable the exchange of oxygen from vessels to organs - Veins carry de – oxygenated bloody back to the heart • Children can describe how nutrients are transported through the human/ animal body: Nutrients, water and oxygen are transported in the blood to the muscles and other parts of the body where they are needed. • Children know that regular exercise and a healthy diet can help the body to stay healthy because this helps the heart pump blood faster around the body. • Children know the negative impact that drugs and alcohol can have on their body as it enters the bloodstream and causes harm. • 	Questioning and Planning Plan different types of enquiries, exploring what may work well and why. Observation and Measurement Look for causal relationships between the data and how this supports or refutes the ideas originally thought. Recording and Presenting Use more complex diagrams, graphs and charts to present findings: Analysing and Evaluating Describe the causal relationships in the findings. Shoe evidence of prior work to support or refute ideas.
Vocabulary	Trips/ Visits/Useful Websites/ Resources	Key Misconceptions:
Artery Veins Capillaries Heart	The circulatory system - BBC Bitesize STEM	Caffeine and energy drinks are not harmful to the human body. Ensure children are aware that caffeine is a drug and can cause harm. Vaping – what impact this could have in the future, as at the moment it is unknown.



Science Unit Planner Year: 6

Title: Animals Including humans

Circulatory system Oxygen Hygiene Addictive Organs		
--	--	--