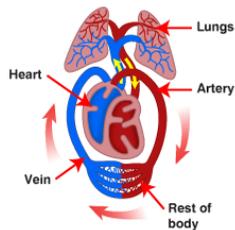


Key vocabulary	
Arteries	Muscular-walled tubes that carry blood away from the heart to all parts of the body.
Blood	The liquid that circulates in the arteries and veins of humans and other animals.
BPM	Beats Per Minute- A measure of how fast the heart is working.
Capillaries	Fine branching blood vessels that form a network.
Circulation	The movement fluid in a closed system.
Heart	An essential muscle which functions as a powerful pump.
Heart attack	A condition where the supply of blood to the heart is suddenly blocked.
Nutrients	A substance that provides nourishment essential for life and growth.
Pulse	A rhythmical throbbing of the arteries as blood is pushed through them.
Veins	Tubes that carry blood back to the heart.



Key Knowledge	
Preceding	<ul style="list-style-type: none"> Humans need water, food and air to survive. Humans and animals are not producers and cannot make their own food. Humans and animals must eat in order to get the nutrients that they need to stay healthy. A piece of food will often provide a range of nutrients such as carbohydrates, protein, vitamins, minerals, fibre, fat, sugars, water.
Current	<ul style="list-style-type: none"> The circulatory system carried blood around the body. Blood keeps different parts of the body supplied with oxygen and takes away waste, such as carbon dioxide. Blood is pumped around the body by the heart. It travels around two different routes. One is from the heart to the lungs the second is around the rest of your body from head to toe. Veins have small valves in them to keep the blood moving back to the heart. A 'drug' is something that you eat or drink that has an effect on your body. This effect can be good or bad.

Scientific Enquiry	
Research using secondary	<p>Research into scientists who have helped us to understand the impact of lifestyle on the heart for example:</p> <p>Christian Barnard William Harvey</p> 
Comparative and fair testing.	<p>Collect the classes heart rates through counting their BPM. Compare these. Why could they be different. Can you draw any conclusions e.g.: people who do more sport have a lower heart rate?</p> 
Identifying, classifying and grouping	<p>Watch a heart dissection. Identify the parts of the heart that have been discussed.</p> 