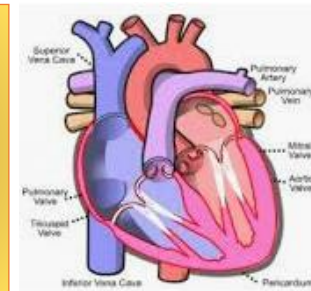


**Year 6 Science – Animals, including humans. What would a journey through your body look like?**

Key Knowledge	Key Skills	Vocabulary	
<ul style="list-style-type: none"> <li>Identify and name the main parts of the human circulatory system.</li> <li>Know the function of the heart, blood vessels and blood.</li> <li>Know the impact of diet, exercise, drugs and life style on health.</li> <li>Know the ways in which nutrients and water are transported in animals, including humans.</li> <li>Know who William Harvey was.</li> </ul>	<p>Children to:</p> <ul style="list-style-type: none"> <li>Take measurements using a range of scientific equipment with increasing accuracy and precision.</li> <li>Plan and carry out investigations by controlling variables fairly and accurately.</li> <li>Record more complex data and results using scientific diagrams, labels, classification keys, tables, scatter graphs, bar and line graphs.</li> </ul>	<b>blood vessels</b>	Blood vessels are a series of tubes inside your body. They move blood to and from your heart.
		<b>drugs</b>	A drug is a chemical that is not food and that affects your body. Some drugs are given to people by doctors to make them healthy.
		<b>atria</b>	The atria are the two upper most chambers of the heart. Blood is pushed from the atria to the ventricles.
		<b>William Harvey</b>	Was the first person to accurately describe the function of the heart and the circulation of blood around the body.
		<b>cardiovascular</b>	The blood circulatory system (cardiovascular system) delivers nutrients and oxygen to all cells in the body.
		<b>ultrasound</b>	An ultrasound machine uses sound waves to take pictures of the inside of the body.
		<b>cardiologists</b>	A cardiologist is a doctor with special training and skill in finding, treating and preventing diseases of the heart and blood vessels.
		<b>capillaries</b>	Capillaries are very thin blood vessels. They bring nutrients and oxygen to tissues and remove waste products.
<b>pulse</b>	Your heart has to push so much blood through your body that you can feel a little thump in your arteries each time the heart beats		
<b>ventricles</b>	The ventricles are the two lower chambers in the heart.		

Interesting information about our circulatory system



Your heart will beat about 115,000 times each day. Your heart pumps about 2,000 gallons of blood every day.

The entire trip around your body only takes blood about 20 seconds in total. Blood is what is used to transport oxygen, waste, nutrients, and more throughout the body.

Your heart is crucial to your survival, it's important to keep it healthy with a well-balanced diet and exercise and avoid things that can damage it, like smoking.

Your heart affects every part of your body. That also means that diet, lifestyle and your emotional well-being can affect your heart.

