

Subject: Science

Theme: Animals including humans (Y6)

Knowledge	Skills	Vocabulary (Top 20)	Common misconceptions
<p>Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.</p> <p>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.</p> <p>Describe the ways in which nutrients and water are transported within animals, including humans.</p>	<p>Identify which organs of the body make up the circulation system, and where are they found.</p> <p>Observe pulse rates before, during and after exercise.</p> <p>Pattern seeking: Children generate questions for investigation such as:</p> <ul style="list-style-type: none"> Do older people have lower pulse rates? Do boys have higher pulse rates? <p>Comparative and fair testing: Complete different activities to compare the impact on their own heart rate.</p> <p>Research the relationship between diet, exercise, drugs, lifestyle and</p>	<p>blood</p> <p>carbon dioxide</p> <p>cells</p> <p>diet</p> <p>drugs</p> <p>exercise</p> <p>heart</p> <p>lifestyle</p> <p>lungs</p> <p>muscle</p> <p>nutrients</p> <p>oxygen</p> <p>pulse</p> <p>rate</p> <p>vein</p> <p>function</p> <p>transported</p> <p>artery</p> <p>blood vessels</p> <p>circulatory system</p>	<p>Some children may think:</p> <ul style="list-style-type: none"> Your heart is on the left side of your chest. The heart makes blood. The blood travels in one loop from the heart to the lungs and around the body. When we exercise, our heart beats faster to work the muscles more. Some blood in our bodies is blue and some blood is red. We just eat food for energy. All fat is bad for you. All dairy is good for you. Protein is good for you, so you can eat as much as you want. Foods only contain fat if you can see it. All drugs are bad for you.



Love



Friendship



Compassion



Community



Trust



Forgiveness

"Let all that you do be done in love." 1 COR 16:24
Do all the good you can.... John Wesley

	health and present their findings in a variety of ways.		
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