

Wellesley Park Primary School – Science

Topic: Humans

Year: 6

Strand: Biology

What should I already Know?

- In **Year 2** I learnt about the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.
- In **Year 3** I learnt that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food;
- In **Year 3** I found out that humans and some other animals have skeletons and muscles for support, protection and movement.
- In **Year 4** I recognised how the digestive system processes food
- In **Year 5** I identified the reproductive process and how humans change over their life time

What will I know by the end of the unit?

I can identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood

I can recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function

I can describe the ways in which nutrients and water are transported within animals, including humans.

Big Questions

What is an organ?

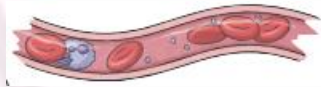
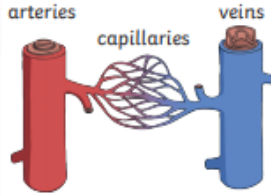
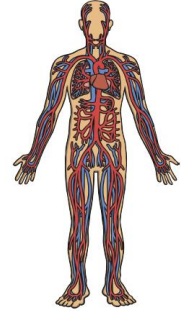
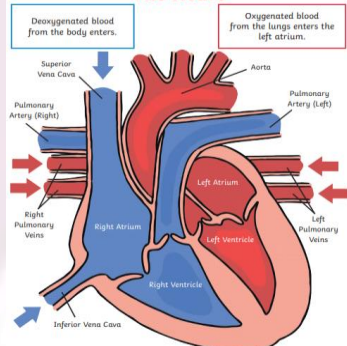
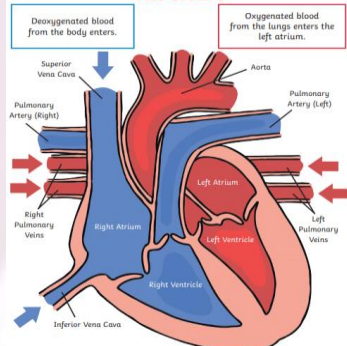
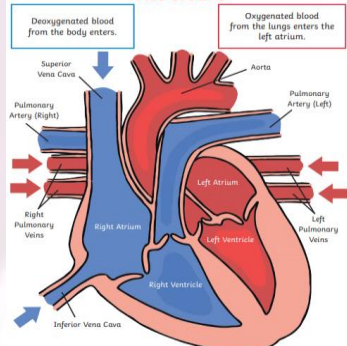
What organs make up the circulatory system?

Why is smoking, alcohol and drugs harmful to our bodies?

What is the function of blood?

Arteries, veins and capillaries are examples of what?

Vocabulary

word	meaning	Image
blood	Blood transports materials around the body and protects against disease. It contains: Red blood cells which transport oxygen. White blood cells which protect against disease. Blood platelets which help the blood to clot and repair a cut. Plasma which is a liquid that carries these cells. It also transports important nutrients	
blood vessels	the narrow tubes through which your blood flows. Arteries , veins and capillaries are blood vessels	 Your Circulatory System
circulatory system	the system responsible for circulating blood through the body, that supplies nutrients and oxygen to the body and removes waste products such as carbon dioxide	 The Heart
deoxygenated blood	blood that does not contain oxygen – carried by veins from body parts to the heart	
oxygenated blood	blood that contains oxygen – carried by arteries from the heart to the rest of the body	
heart	the organ in your chest that pumps the blood around your body	
lungs	two organs inside your chest which fill with air when you breathe in. They oxygenate the blood and remove carbon dioxide from it.	