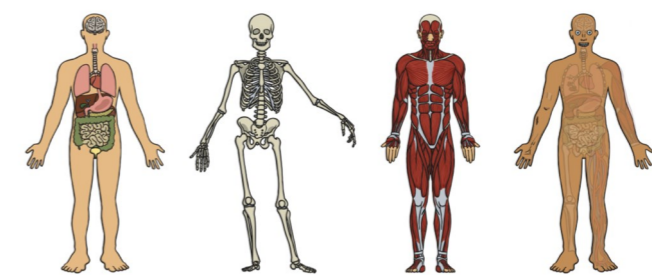


Year 6



Animals including Humans

~Golden Thread of Reading~

Science Reading Spine
Animals including Humans



Expert vocabulary

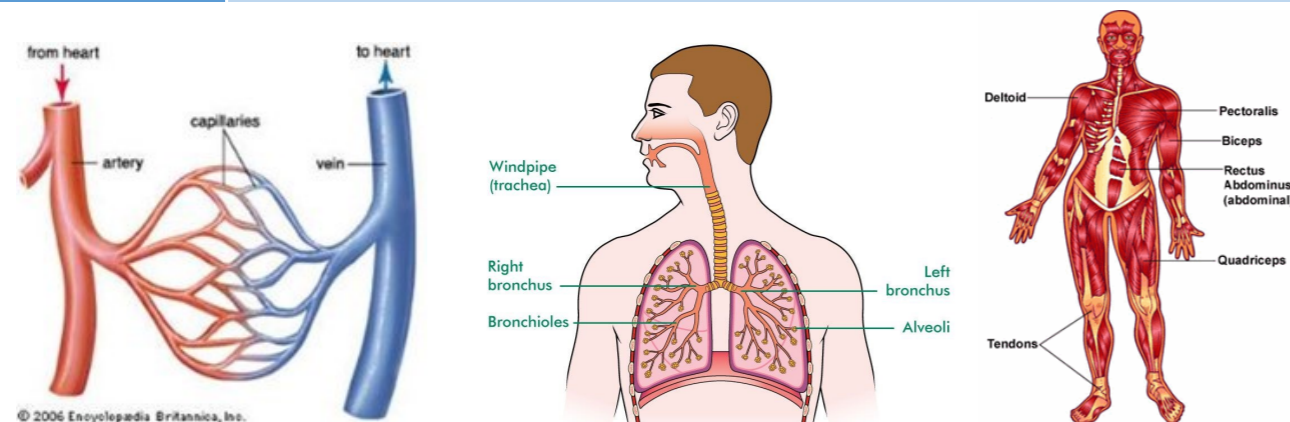
Expert vocabulary	

Pre existing knowledge

- Which things are living and which are not.
- Classification of animals (e.g. amphibians, reptiles, birds, fish, mammals, invertebrates).
- Animals that are carnivores, herbivores and omnivores.
- Animals have offspring which grow into adults.
- The basic needs of animals for survival (water, food, air).
- The importance of exercise, hygiene and a balanced diet.
- Some animals have skeletons for support, protection and movement.
- The basic parts of the digestive system and the different types of teeth in humans.
- Respiration is one of the seven life processes.
- The life cycle of a human and how we change as we grow.

Key points

What is the circulatory system?	The circulatory system is made of the heart, lungs and the blood vessels. Arteries carry oxygenated blood from the heart to the rest of the body. Veins carry deoxygenated blood from the body to the heart. Nutrients, oxygen and carbon dioxide are exchanged via the capillaries.
Choices that can harm the circulatory system	Some choices, such as smoking and drinking alcohol can be harmful to our health. Tobacco can cause short-term effects such as shortness of breath, difficulty sleeping and loss of taste and long-term effects such as lung disease, cancer and death. Alcohol can cause short-term effects such as addiction and loss of control and long-term effects such as organ damage, cancer and death.
Why is exercise so important?	Exercise can: <ul style="list-style-type: none">• Tone our muscles and reduce fat.• Increase fitness.• Make you feel physically and mentally healthier.• Strengthens the heart.• Improve lung function.• Improve skin.



Vocabulary	
Oxygenated	Blood that contains oxygen.
Deoxygenated	Blood that does not contain oxygen.
Blood vessels	Tubes that your blood flow through – arteries, veins and capillaries.
Capillaries	Tiny blood vessels.
Veins	Blood vessels that carries deoxygenated blood from the rest of your body back to your heart.
Vena cava	Large vein which deoxygenated blood reaches your heart from the body.
Pulse	The regular pumping or beating of blood through your body. Your pulse can change speed depending on the activity you are doing.
Organ	A part of your body with a purpose.
Nutrients	Substances that help plants and animals to grow.
Respiration	respiring- breathing, inhaling and exhaling (in KS3 this is known as ventilation).
Aorta	The main artery where blood leaves the heart to be pumped through the body.
Arteries	Tubes that carry oxygenated blood from the heart to the rest of the body.
Atria and ventricles	Chambers in the heart.
Heart	Organ in the body that pumps blood around the rest of the body.
Lungs	Organs that fill when air when you inhale. They oxygenate blood and remove carbon dioxide from it.
Carbon dioxide	By-product of animals and people exhaling.
Oxygen	Colourless gas that animals and humans need to inhale to survive.