



Linked learning theme: Ancient Egypt – Walk like an Egyptian

Spring term 1, Year 6

Science – The function of the circulatory system and the purpose of the body’s organs.

Prior Knowledge

In Year 4 pupil learnt about the simple functions of the basic parts of the digestive system in humans. In Year 5 pupils learnt about the body changes from birth to old age including how to keep healthy and stay safe.

Core knowledge

- The heart pumps blood around the body.
- Blood carries oxygen around the body, enabling muscles to function.
- Exercise can help our bodies develop a more efficient circulatory system.
- Physical activity increases the body’s heart rate.
- Each organ has an individual role.

Key skills

- Take repeat readings in our heart rate before and after physical exercise.
- Use secondary research to determine the purpose and role of each individual organ.
- Observe changes in bodily function depending on how activities are carried out, e.g. does muscular control in my arm vary after holding it above my head for an extended period of time?
- Identify the different organs based upon their size and appearance.
- Make reasoned predictions about what would happen if certain parts of our circulatory system were not functioning effectively.

Vocabulary

Heart	Vein	Intestines	Weight
Circulation	Artery	Observation	Capacity
Blood	Lungs	Category	Function
Muscles	Liver	Exercise	Abdomen
Oxygen	Kidneys	Health	
Respiratory	Brain	Fitness	
	Stomach		

Learning outcomes

- I know the function of the heart.
- I understand that blood carries oxygen around the body, enabling muscles to function.
- I know the benefit of exercise to our bodies and the effect on our heart rate.
- I know that each organ has an individual role.
- I can take repeat readings in our heart rate before and after physical exercise.
- I can use secondary research to determine the purpose and role of each individual organ.
- I can observe changes in bodily function depending on how activities are carried out.

- I can identify the different organs based upon their size and appearance.
- I can make reasoned predictions about what would happen if certain parts of our circulatory system were not functioning effectively.