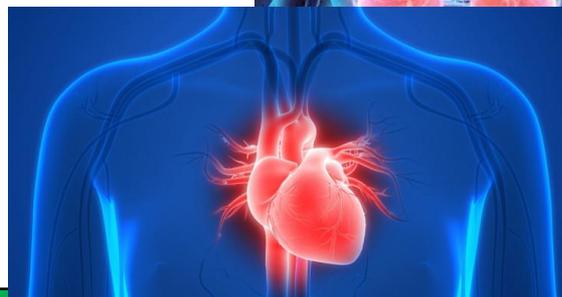


The Big Question: What would a journey through your body look like?

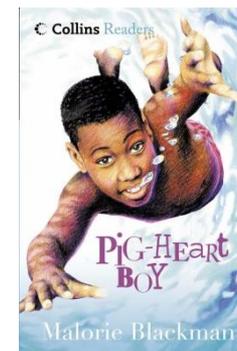
LQ1	What is pulse and why do we have one?
LQ 2	Why can the heart be described as the most important pump we have?
LQ 3	What happens to the oxygen we breathe?
LQ 4	Why could we describe blood as the body's river system?
LQ 5	What have we learnt from pioneers like William Harvey?
LQ 6	Can you test the effects of exercise on the body?
End Product	In small groups, can you put together a presentation which shows the relationship between the heart, blood and breathing.
Links to previously units.	Skeletal System- Year 3. Digestive system - Year 4
	Respiration and breathing-Year 7. Importance of healthy eating and exercise-Year 7. Effects of drugs such as tobacco and alcohol-Year 7.
Cross-curricular links.	PE – benefits of being active



Sticky Knowledge

- The organs of the human circulatory system are: lungs, heart, arteries, and veins.
- Blood leaves the heart in arteries and returns in veins.
- Blood vessels carry oxygen to your muscles.
- Your heart beats faster when you exercise as your muscles need more oxygen.
- Humans use oxygen from the air we breath in and exhale carbon dioxide which we don't need.
- William Harvey did lots of important work around the circulatory system .
- Exercise can help keep the circulatory system healthy
- Alcohol, smoking and drugs damage our organs.

Exciting Books



Vocabulary

Trachea, oxygen, bronchi and bronchioles, exhale, inhale, capillaries, diaphragm, carbon dioxide, circulatory, arteries, vessels, organs, exhale.