



Y6 Project 1 Learning Journey: Blood Heart

Crimson, scarlet, burgundy, cherry. Blood flows through our bodies in all its vibrant shades of red. Let's explore our circulation system. Now, surgeons, don't be squeamish as we dissect an animal heart and examine the veins, arteries and chambers up close. They all work hard to move blood around our bodies. William Harvey was fascinated with anatomy, and made ground-breaking discoveries about valves. I wonder what we might uncover? Why do people give blood? Find out how to keep your heart happy with cardiovascular exercise and healthy food. Kickstart a campaign to spread the word about the damage caused to the lungs and heart by smoking. Hearts pound, flutter and maybe skip a beat. What makes your heart race? Is it a secret? Cross my heart, I won't tell.

<p style="text-align: center;">English</p> <p>English: Information text</p> <p>Project linked: Instructions - How can we make red?</p> <p>Class read: Pig Heart Boy</p>	<p style="text-align: center;">Maths</p> <p>Place value, four operations and number properties</p> <p>Improving rapid recall with accuracy</p> <p>Meaningful maths – through science: Tabulation of results for heart & exercise investigations</p>	<p style="text-align: center;">Science</p> <p>The circulatory system, the impact of lifestyle and how nutrients are transported around the body</p> <p>BIG Q: What is essential for a human to stay alive?</p> <p>Investigations: How does blood flow? What can your heart rate tell you? What's in blood?</p>
<p style="text-align: center;">History</p> <p>Black History (in recognition of Black History Month)</p>	<p style="text-align: center;">Computing</p> <p>Data and information – Excel</p> <p>Online safety essentials</p>	<p style="text-align: center;">Art & design</p> <p>Observational drawing of facial features</p> <p>Clay sculpture of a facial feature</p> <p>Focus artist: Mark Quinn</p>
<p style="text-align: center;">PSHE</p> <p>Being me in my world: How do my choices affect my immediate community and the global community?</p> <p>Value: Respect</p>		<p style="text-align: center;">PE</p> <p>REAL PE unit 1 Swimming</p>
<p style="text-align: center;">French</p> <p>Revision of: Regular Verbs, irregular verbs, en classe, au café, quell temps fait-il?</p>	<p style="text-align: center;">RE</p> <p>Can Christian Aid and Islamic Relief change the world?</p>	<p style="text-align: center;">Music</p> <p>Connect It: Compose a piece of music to represent the sounds of the body using body percussion</p>

Please see the knowledge organiser sent with this document to find out what skills, knowledge and understanding your child is expected to have by the end of the project.

Suggested reads

Why not pop along to your local library and see what books they have about the circulatory system and leading a healthy lifestyle? Here are some recommended reads:

- Bodies: The whole blood-pumping story by Glenn Murphy
- The Heart & the Bottle by Oliver Jeffers
- The Circulatory System: Where do I get my energy? by Chris Oxlade
- Heart & Lungs by Andrew Solway
- Your Heart & Lungs by Sally Hewitt
- Food & Eating (Healthy for life) by Anna Claybourne
- Keeping Fit (Healthy for life) by Anna Claybourne

Regular home learning

Home learning will be set every week for Year 6 pupils, and those who participate will not only be rewarded through House Points and Merits, but will reap the benefits of regular practice and revision of skills that are needed across curriculum areas and in many walks of life:

- **Reading:** Your child should read on a daily basis for at least 30 minutes and record this in their reading record. Parents are asked to sign the reading record on a Sunday to confirm the reading home learning that has taken place that week.
- **Times tables:** For optimum progress, pupils should play on TT Rockstars for at least 5 minutes every day. This can be accessed at <https://play.ttrockstars.com/auth/school/student> . There is also a free downloadable app for mobile devices. All pupils have a log on to TT Rockstars.
- **Spelling:** Pupils will be able to practise online using the Spelling Shed website (<https://play.edshed.com/en-gb/login>) and the log on details provided to them.
- **Maths:** In Year 6, pupils will be given weekly home learning. This will usually be sent home with them in a home learning book.
- **Grammar:** This term we will also begin to set weekly grammar home learning. This will usually be sent home with them in a home learning folder or spag.com

Optional home learning challenges linked to our project

If your child would like to complete additional home learning challenges, here are some ideas of projects they could attempt and bring in to share with their class teacher for *bonus merits*.

- Draw and label a diagram of the heart. Write a short paragraph to describe how it works.
- Find out about the components and functions of blood by reading non-fiction books, watching animations and visiting useful websites. Jot notes below, then write a short non-chronological report about the function of blood.
- Find out how to keep your heart healthy. Write a set of instructions for an adult audience explaining how they can keep their heart healthy. Visit the British Heart Foundation website for useful information.
- Design a cardiovascular workout for you and your family. Draft a plan and invite everyone to join in, then ask them to evaluate your routine.
- Find out who William Harvey is and why he is significant. Write a short profile about him and his work.
- Draw a flow diagram to illustrate the circulatory system, adding notes to explain each stage of the process.
- Read the final two verses of the John Donne poem, The Broken Heart (search for it online). Ask an adult to discuss the meaning of the poem with you and rewrite the poem in modern language.

Useful websites linked to our project

- British Heart Foundation – How a healthy heart works
- BBC Bitesize – The heart and how it works
- DKfindout! – The heart
- Luminarium – The Broken Heart by John Donne
- NHS – How do I check my pulse?
- BBC History – William Harvey



Inspiring the learning journey!