

# What makes your heart race?

**As writers we will** begin the term with a non-fiction text by exploring a newspaper report and analysing its features using our 'Non-fiction shapes'. We will use our model text and grammatical writing tools to create our own super sentences for our own newspaper report.

We will also explore creative writing texts and use the writing tools and features from this to plan and write our own creative text. We will end the term by making edits to improve our writing!

**As mathematicians we will :**

- To solve problems using the relative sizes of two quantities where missing values can be found.
- To solve problems involving similar shapes where the scale factor is known or can be found.
- To draw 2D shapes using given dimensions and angles.
- To compare and classify geometric shapes based on their properties.
- To recognise where angles meet at a point on a straight line, vertically opposite and finding missing angles.
- To illustrate and name parts of a circle, including radius , circumference and diameter.
- To use nets to recognise, and build 3D shapes.
- To solve problems using our knowledge of place value and the four operations.

**As Artists we will:** use the anatomical model of the heart as our inspiration. We will use recyclable materials to create a model of the heart. Use a variety of brushstroke techniques to create a technical diagram of the heart. We will also use the colour red to inspire a piece of abstract water colour art.

This term's HPL focus:



**This half-term we will:** discover how blood flows through our body, don't be squeamish!

We will create 'fake blood' in order to investigate how veins, arteries and valves work to pump blood around our bodies. Hearts pound, flutter and maybe even skip a beat! What makes your heart race?

We will be checking out the most common blood groups and exploring why people donate blood. We will investigate how to keep our hearts healthy with cardiovascular exercise and healthy eating. We will become innovative inventors and design a healthy meal plan that will encourage a heart- healthy lifestyle.



**As readers we will:**

- Read our book, 'Cogheart' by Peter Bunzel.
- Use and develop our inference and deduction skills.
- Enhance our existing inference skills by making predications.
- Explore a range of vocabulary.

**As scientists we will:** identify and name the main parts of the human circulatory system. We will investigate how different factors effect heart rate. We will explore different blood types and blood groups. Recognise and describe the impact substances have on the body.

**As historians we will:** consider and compare how medical science has developed over time. We will use this analysis to predict possible future medical advancements.

**As design and technologists we will:** create a model heart and create a heart-healthy meal.

**As users of technology we will:** challenge existing gender stereotypes that are portrayed in the media.

**As citizens' of the UAE we will:** consider how we can keep healthy at home in the UAE.

GFS Curriculum Drivers linked to the National Agenda

Enterprise and Innovation	Eco and Environment	Inclusive Communities
As enterprising children we devise a business plan for our healthy meal product, considering, costing, demand and market.	As people concerned with the environment we will consider the impact of harmful substances on our bodies and the environment.	As members of a community we will be taking part in activities that relate to the Holy month of Ramadan.

Opportunities for Enrichment	
School	Home
<ul style="list-style-type: none"> <li>♦ Create our own model hearts.</li> <li>♦ Design a healthy meal plan.</li> </ul>	<ul style="list-style-type: none"> <li>• Donate to a local Ramadan fridge!</li> </ul>