

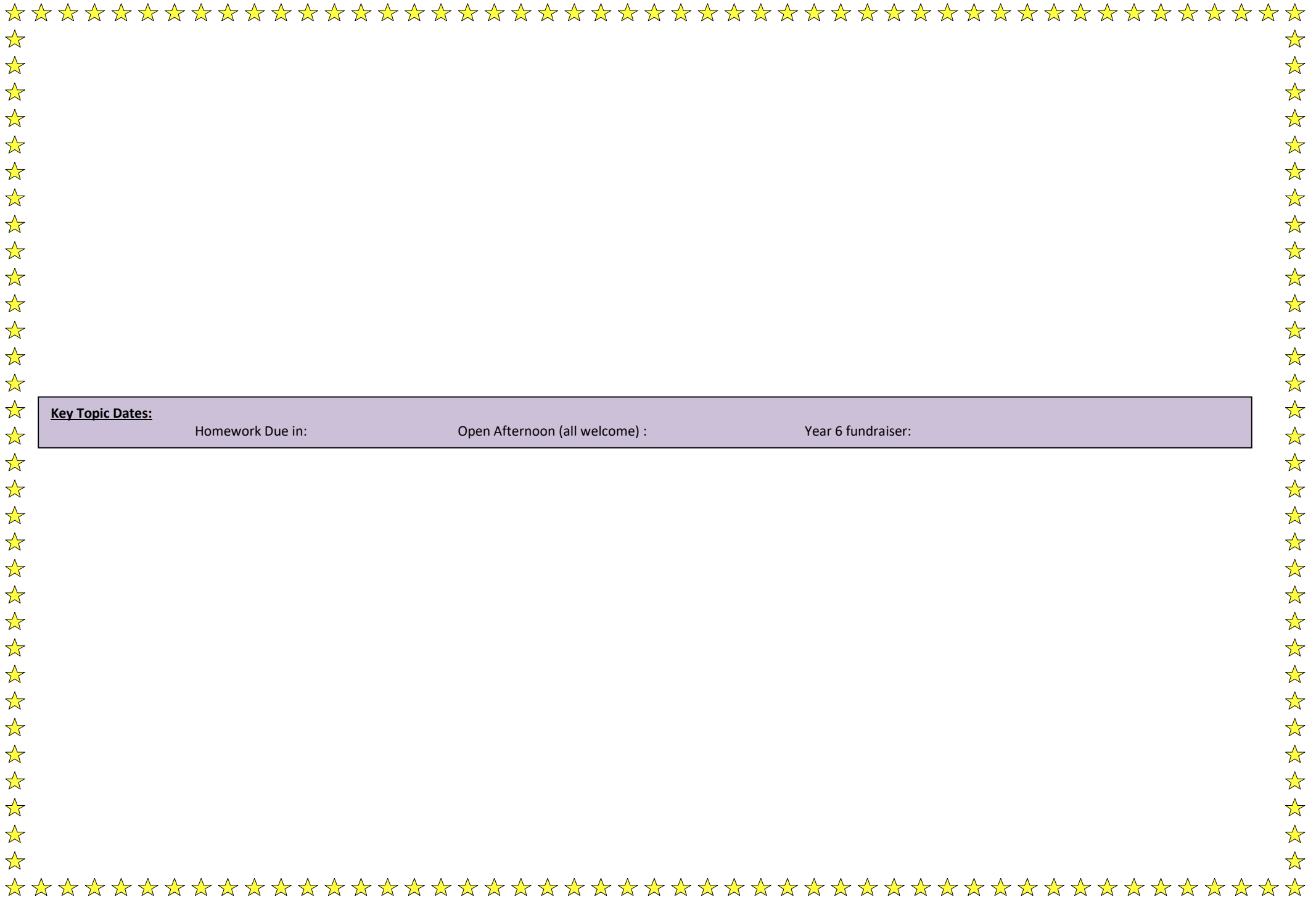
## Year 6 Topic Web – Autumn 1 – 2021

### Blood Heart



	What we will be covering in class	Supporting your child's learning at home.
<b>Engage</b>	Children will have the opportunity to observe the dissection of a pig's heart. They will carry out scientific experiments, using their mathematical skills to accurately record their results. They will also use their art skills to create a model heart sculpture and an abstract painting using textiles to build up a collage.	<p>Spend time with your child researching the heart and circulatory system. Can they bring some fascinating facts to share with classmates?</p> <p>Develop your scientific knowledge by exploring the science section of the BBC Bitesize website at ...</p>
<b>Develop</b>	<p>Children will take inspiration from blood to create shape poems. In addition, children will explore the circulatory system and have a go at creating artificial blood. They will examine how science changes over time and discover about organ donation and giving blood. During this stage of the topic, children will also use a range of sources to find out about the effects of smoking on the body. They will design and create an advert to persuade readers not to smoke.</p> <p>Children will investigate a range of food packaging that claim health benefits, including investigating the difference between processed and unprocessed food. They will also have the opportunity to consider heart-healthy foods. In addition, children will take part in a range of cardiovascular activities in PE and then explore how heart rate accelerates during exercise in science lessons. Finally, children will learn about Dr. William Harvey and create a biography about his life and works.</p>	<p><a href="https://www.bbc.co.uk/bitesize/topics/zwdr6yc/articles/ztg6gdm">https://www.bbc.co.uk/bitesize/topics/zwdr6yc/articles/ztg6gdm</a> Play the games, read the information and take the quiz!</p> <p>There are lots of super games and activities to explore on the Primary Homework Help website...</p> <p><a href="http://www.primaryhomeworkhelp.co.uk/human.html">http://www.primaryhomeworkhelp.co.uk/human.html</a></p>
<b>Innovate</b>	<p>Children will learn about the good work the British Heart Foundation does and find out how they can support this important charity.</p> <p>They will participate in a First Aid training day, consolidating what they have learnt throughout the Blood Heart topic.</p>	<p>Take part in a variety of different exercises with your child. Take your pulse after each activity. Discuss the results with your child. What do they notice? What do they learn? Can they make predictions? Can they draw conclusions?</p> <p>Explore the contents of your cupboards! Which food is healthy? How many different ways can you get achieve your five a day? Can you plan healthy meals with your child?</p>
<b>Express</b>	<p>Children will continue to improve their writing skills using heart poetry and songs as inspiration. They will have the opportunity to write at length independently. Children will make 3D heart models and write heart rap in music lessons.</p> <p>In PSHE, we will read 'The Heart and the Bottle' by Oliver Jeffers and consider how the heart can feel damaged when we go through difficult situations in life. We will consider how we can support each other during these times.</p>	<p>Continue to support your child's mental skills by helping them to practise their times tables and number facts.</p>

Maths	Children will continue to develop their knowledge of place value up to 10,000,000. They will also learn how to round numbers efficiently. Furthermore, they will refine their formal written methods for addition, subtraction, multiplication and division. Children will then use their calculation skills to solve a range of problems. There will be a huge emphasis on mental maths skills and children will have many opportunities to improve the speed and accuracy of their calculations.	
English	Children will cover shape poetry, persuasive letters and biography. Our class novel for this topic is 'Pig Heart Boy' by Malorie Blackman.	
Science	Children will cover the human circulatory system including measuring their heart rate both at rest and after exercise; the history of blood groups; the effects of certain lifestyles on the heart and how to work scientifically.	
Art & Design	Children will create their own piece of heart themed abstract art and also create a 3D heart out of clay.	PE Children will learn a variety of ball skills this half term, focusing particularly on netball throwing, catching, intercepting and dodging.
Computing	Children will complete the 'My Online Life' unit of work, ensuring they understand key features of internet safety and revising how to deal with issues such as cyber bullying.	PSHE Children will investigate how harmful substances affect their body as well as developing a deeper understanding of how to care for others. We will also consider the UNICEF rights of the child and create a class charter
D & T	Children will learn how to select tools and equipment for a specific task. They will investigate processed and unprocessed bread products and then create their own bread recipe.	French In this 'Let's Visit a French Town' unit, the children will learn about places in a town, directions, homes and numbers in order to develop their speaking and listening abilities.
Music	Children will explore a range of emotions whilst listening to a selection of songs. They will also practise using musical notation to create rhythms in the style of a heartbeat.	RE Children will be exploring a range of questions, which are based upon the different decisions made by a variety of faiths.



<b><u>Key Topic Dates:</u></b>	Homework Due in:	Open Afternoon (all welcome) :	Year 6 fundraiser:
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