

**In Science, the children will be learning to:**

- Draw and place organs on a human body to identify the major organs and their functions.
- Label diagrams of the heart to understand its functions.
- Understand the link between the heart and the lungs by becoming a class circulatory system.
- Understand how lifestyle choices and illness can affect the human heart.
- Describe the way in which nutrients and water are transported within the body.

**In Geography, the children will be learning to:**

- Describe different types of local industry and explain how local industry has changed over time.
- List and locate local public services.
- Understand how developments can be sustainable and begin to generate sustainable development ideas that meet the needs of the community.
- To plan and carry out fieldwork.

Parent Leaflet

## Have a Heart

After participating in a range of exercises, the children will begin to explore the effect that exercise has on the body, particularly the heart. Throughout this project, the children will identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. They will link this to the life of Cameron, the main character in Malorie Blackman's Pig Heart Boy, and the challenging decisions he needs to make for his future. In Geography, the children will be investigating how their world will look in the future through learning about the local area, public services and industries. During this learning journey, the children will learn that Cameron wants to be healthy and will explore and debate his choices. At the end of the project, the children will then use their learning to develop their own exercise routine to promote the importance of keeping fit and exercise.

**In English, the children will be learning to:**

- Develop empathy with characters by reading Pig Heart Boy.
- Deepen their understanding of the plot and characters within the text.
- Write diaries from a character's viewpoint to show understanding of their thoughts, emotions and decisions.
- Role-play scenarios to explore different characters' viewpoints and actions
- Use a range of writing techniques to write a scientific explanation

**Project Vocabulary**

Please ensure your child learns these to encourage them to use them correctly in school.

Arteries  
Blood  
Blood sugar  
Circulation  
Circulatory system  
Donor  
Exercise  
Health  
Heart  
Insulin  
Organ  
Pulse  
Skin graft  
Transgenic  
Transplant  
Veins

**Key information:**

\* For Design Technology, please can your child bring in an old T-shirt. The children will be upcycling and making a reusable bag.

\* Home Learning - Your child's home learning is due in by **Wednesday 25<sup>th</sup> March.**

Please see the attached Home Learning that has been written and explained to your child. We really value the support you show to your child with their home learning in order for them to consolidate their independence and thinking skills. The home learning will be shared in the outcome.