

## Have a Heart

### 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.

The human body is amazing! Every day the heart pumps, lungs take in oxygen and muscles keep the body moving. But how does it all work? And what would happen if it didn't function properly? The children will investigate this by learning about how their bodies work and linking this to the life of Cameron, the main character in Malorie Blackman's Pig Heart Boy. Cameron has difficulties with his heart and has some challenging decisions to make for his future. 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. They will then use their learning to develop their own exercise routine to promote the importance of keeping fit and exercise.

### 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

### 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

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

- Develop empathy with characters by reading Pig Heart Boy.
- Answer questions based on the text to 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.
- Hold a debate to discuss issues raised in the story.
- Write a scientific report following investigations.
- Create informative leaflets.

### 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 **Monday 3<sup>rd</sup> February.**

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.