

English

We will be reading 'Pig Heart Boy' by Malorie Blackman OBE. She is a British writer who held the position of Children's Laureate from 2013 to 2015. We will complete an in depth study of her focusing on her struggles when becoming an author.



In our writing we will be learning to:

- compose shape poetry
- write an alternative narrative
- explain how the heart works

Children need to continue reading at least 5 times a week at home and recording it in their reading journals.

Maths

We will be learning to:

- divide by two digit numbers
- find common factors/multiples/prime numbers
- simplify, compare and order fractions
- add, subtract, multiply and divide fractions

At home you could...

- Draw and label the heart
- Research the components of blood and write a short report about the function of blood
- Create a guidance poster to keep the heart healthy
- Research the work of William Harvey. How was he significant?

Blood Heart



During this half term, the children will immediately be engaged in our science-driven topic **Blood Heart** through a pig heart dissection and through the scientific and moral discussions that will arise from our class reader 'Pig Heart Boy.'

In science, we will be learning about the human circulatory system. Children will link together learning about the heart, blood and circulation. They will also learn what we can do to keep this vital system healthy through choices related to food, exercise and life-style choices. We will be learning about some famous scientists including: Marie Maynard Daly, who was the first African-American woman in the United State to earn a Ph.D in chemistry and Dr Daniel Hayle Williams , who designed the first prototype open heart surgery.

History: We will be learning about how Charles Richard Drew, who was an American Surgeon, used his expert knowledge to develop large-scale blood banks early in World War II.

DT: We will design, make and evaluate a toy using a pneumatic mechanism for a younger friend as a Christmas present.

Computing: We will develop our knowledge and understanding of using a computer to produce 3D models. We will familiarise ourselves with working in a 3D space, including combining 3D objects to make a house and examining the differences between working digitally with 2D and 3D graphics. We will progress to making accurate 3D models of physical objects, such as a pencil holder, which include using 3D objects as placeholders. Finally, we will examine the need to group 3D objects, then go on to plan, develop, and evaluate our own 3D model of a photo frame.

Music: In Music we will be using 'Bacharach Anorak' and 'Meet The Blues' as starting points to compose, play and improvise.

PE: In P.E. this term, through the sport of netball, children will be learning to throw and catch large and small balls one and two handed and in combination with running and dodging. They will also develop their leadership skills by leading groups and teams.

RE: We are learning to evaluate different Christmas traditions and celebrations in the light of their reference and relevance to Christian beliefs in Jesus

PSHE: This term, we will be exploring ways that we value differences. We will discuss what makes each of us unique and how we can be respectful of each other's differences.

Art: We will be developing our drawing skills using line and pattern and will use the work of prestigious print designers to inspire our own relief tile print.