

Focused **Maths** teaching this half term, will help children understand the concepts of converting units, ratio, algebra and decimals. Alongside this new learning, we will be revising our skills and knowledge of addition, subtraction, multiplication and division. It is vital that children keep focusing to attain a quick and accurate recall of their times tables so they can succeed in Year 6 maths tasks.

Geography will be the main focus for this half-term, as we turn our attention to the continent of Antarctica. We will find out what it is like in the coldest place on Earth and how history, with the Antarctic Treaty, has shaped the geography of this frozen world. Learning about natural resources, we will compare Antarctica to other regions. Thinking about our interconnected world, we will take a look at the impact global emissions have on the polar regions with rising sea levels and ocean acidification. We will think about positive action we can take to protect our planet.

During this half term's **RE** unit, we will learn about the concept of *The Kingdom of God*. The children will begin by researching famous people who have made a positive impact on the world. We will think about what Christians believe God's Kingdom should be like and what we would change about our current world if we were able to. Finally, we explore the work of the Prison Fellowship to see how the Christian faith has changed the lives of prisoners.



In **English**, we continue to use The Write Stuff approach to expose the children to language features used in a non-chronological report. This will be based on the impressive emperor penguins and how they have adapted to survive the harsh conditions of Antarctica. The children will then use everything they have learned to independently write their own non-chronological report about polar bears and how they have adapted to survive and thrive in the Arctic.

Our next English unit will focus on the amazing feat of endurance demonstrated by Ernest Shackleton. We will begin with a persuasive advert to recruit his crew of polar explorers, where the use of rhetorical questions and superlatives are key. With incredible video footage taken during his trip, the children will then witness and recount Shackleton's epic journey in the form of diary entries. With good experience of diary writing, the children will have the opportunity to demonstrate a range of language skills in their final independent diary entry: precise and technical vocabulary; beginning sentences in a variety of ways to allow their writing to flow; using cohesive devices, which will link their ideas between paragraphs; and editing their work independently for punctuation and spelling errors.

This half term's **PE**, will take place on **Wednesdays and Fridays**. Wednesday's lesson will involve gymnastic skills. On Fridays, the children will be developing their teamwork skills needed to play hockey.

In **Science**, we will identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. We will also recognise the impact of diet, exercise, drugs and lifestyle on the way the body functions. The ways in which nutrients and water are transported within humans and animals will be described.

In **Music**, there will be an introduction of Ice Music. This is played with ice instruments and children will be asked to compose to a theme. Pop Art will also be used as a basis for repetition and variation.

Our **Computing** will explore AI and how it can be used effectively to support us in a technological world. Children will look at how to write effective prompts, how machine learning can aid our programming skills, as well as the ethics and downfalls of AI when misused.

In **Design Technology**, children will explore playground equipment structures and design an adapted piece of wooden playground equipment which young penguins would find fun to play safely on.