

English

This term our writing will all be closely linked to our theme, 'The Arctic Circle'. We will be writing diary entries based on Ernest Shackleton's incredible expedition. We will also be exploring biographical writing and hopefully have the opportunity to meet the author of 'Shackleton's Journey' to support this.

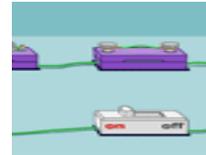
We will be having SPAG (Spelling, punctuation and grammar) lessons on a daily basis.

Handwriting will be practised for 15 minutes every afternoon.



Science

This half term we will be studying electricity and light. We will explore how light travels and why and how we have light and dark on Earth. Our school trip to the planetarium in Greenwich will support this. The children will be investigating the components of a circuit and representing these using symbols. We will also be exploring how the brightness of light is impacted by voltage of cells in a circuit. During this time we will be working scientifically by carrying out investigations that involve predicting, observing, interpreting and drawing conclusions.



Computing

We are App Developers

The class will embark on an ambitious, yearlong project to create their own app for a tablet or smartphone device. The class will research current apps, brainstorm ideas for a new app, complete market research and design their interface before actually creating a working app.



Maths

In Maths this term we will be exploring:

- Number and place value
- Carrying out calculations involving the four operations (multiply and divide up to 4 digits by a two digit whole number)
- Investigating fractions and decimal fractions (equivalence and calculating with fractions)
- Statistics and Percentages (Ratio and Proportion)
- Ratio and Measures
- Properties of Shape: Angles



Topic

Our theme this term is 'The Arctic Circle'. We will be using the book, 'Shackleton's Journey' by William Grill as a core text. Our humanities focus will be Geography and the children will be developing their understanding of the continents and investigating the similarities and differences between geographical areas.

Whilst the first term will be focused on physical aspects of geography, after half term we will turn to human geography in these polar parts of the world. We will look at the geography topic of 'Keeping Green', looking at global warming and climate change and identifying ways we can protect our planet.



Art and Design & Technology

During our Art lessons we will be experimenting with different sketching techniques as well as collage. We will be looking at the work of Gustav Klimt and applying his use of patterns and collage to help inspire and create our own piece on the Northern Lights.

