

Year 5 and 6: Into the Unknown!

Autumn 2nd half term

<u>English</u>	<u>Maths</u>																								
<p>For our first unit (persuasive letters), we will look at the features of a persuasive letter and apply this in a piece of writing to Ernest Shackleton convincing him to allow us on his expedition.</p> <p>We will then focus our work on newspapers where we'll be applying our knowledge of the structure and language within a newspaper to report on the events of Shackleton's expedition to Antarctica in 1914.</p>	<p>In Maths, we will be focussing on consolidating understanding of factors, multiples and fractions. We will work on adding, subtracting, multiplying and dividing fractions between working out fractions of amounts of solving problems involving fractions.</p>																								
<u>Hook Day</u>																									
<p>On Hook Day, we will be investigating whether ice melts more quickly in fresh or salt water (against a control) and then we'll find out why. We'll go on to research Ernest Shackleton, the man, his character and his expedition. Following this, we'll be reading, then writing poetry describing the polar regions and the challenges faced there.</p>																									
<u>Topic (Geography)</u>																									
<p>Using globes and maps, looking at longitude and latitude we'll identify the Polar Regions, focussing mainly on Antarctica. We will look at the meteorology of the region and use technical descriptions such as arid. We will consider reasons for season differences between here and there. We will learn about glaciers (what they are and how they move) as well as crevasses and threats Antarctica faces. We'll also think about how we can protect the polar environment.</p> <p>During the Innovate stage, we'll be using our scientific and geographical knowledge to describe features of a plant that will thrive in Antarctic conditions. We will consider the different variables: environment, climate, weather and predators. To express our knowledge, we will present a description of our plant's survival in the style of Sir David Attenborough. Some of us are even going to consider plant adaptations needed in order to survive future world changes.</p>																									
<p style="text-align: center;"><u>Science</u></p> <p>In Science, we will be looking at being able to use and create our own classification keys to sort a variety of organisms which will demonstrate the biodiversity that Antarctica has to offer and how different species can be classified. We will consider unusual features in order to determine differences between plants found living in Antarctica. We will design our own plant that could survive in the harsh and unforgiving ecosystem. We will be discussing the features of Antarctica as a habitat and decide which biome it can be labelled as.</p>	<p style="text-align: center;"><u>Recommended reading list</u></p> <table border="1" data-bbox="863 1151 1465 1845"> <thead> <tr> <th>Book title</th> <th>Author</th> </tr> </thead> <tbody> <tr> <td>The Call of the Wild</td> <td>Jack London</td> </tr> <tr> <td>Polar Regions (Planet Earth)</td> <td>Steve Parker</td> </tr> <tr> <td>Kaspar: Prince of Cats</td> <td>Michael Morpurgo</td> </tr> <tr> <td>Arctic and Antarctic</td> <td>DK</td> </tr> <tr> <td>You Wouldn't Want to Be on Shackleton's Polar Expedition!</td> <td>Jen Green</td> </tr> <tr> <td>Scott of the Antarctic</td> <td>Evelyn Dowdeswell, Julian Dowdeswell and Angela Seddon</td> </tr> <tr> <td>Extreme Weather (National Geographic Kids)</td> <td>Thomas M. Kostigen</td> </tr> <tr> <td>Northern Lights - The Graphic Novel</td> <td>Philip Pullman</td> </tr> <tr> <td>Weather (Earthwise)</td> <td>Jim Pipe</td> </tr> <tr> <td>Shackleton's Journey</td> <td>William Grill</td> </tr> <tr> <td>Trapped by the Ice!: Shackleton's Amazing Antarctic Adventure</td> <td>Michael McCurdy</td> </tr> </tbody> </table>	Book title	Author	The Call of the Wild	Jack London	Polar Regions (Planet Earth)	Steve Parker	Kaspar: Prince of Cats	Michael Morpurgo	Arctic and Antarctic	DK	You Wouldn't Want to Be on Shackleton's Polar Expedition!	Jen Green	Scott of the Antarctic	Evelyn Dowdeswell, Julian Dowdeswell and Angela Seddon	Extreme Weather (National Geographic Kids)	Thomas M. Kostigen	Northern Lights - The Graphic Novel	Philip Pullman	Weather (Earthwise)	Jim Pipe	Shackleton's Journey	William Grill	Trapped by the Ice!: Shackleton's Amazing Antarctic Adventure	Michael McCurdy
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<p><u>Other subjects</u></p> <p>PE - Basketball and Dance</p> <p>RE - In RE, we will be thinking about Psalm 8, what its purpose is and what it has to say about the ideas of God as creator. We'll then think how Christians respond to their creator God and consider whether Christians find science and their faith compatible. We'll go on to contemplate human's responsibility for the Earth and how we should be looking after our planet.</p> <p>PSHE - In PSHE, we will be looking at celebrating differences within our classroom, school and the wider world. We will be defining different types of bullying and look at ways to prevent it.</p> <p>In Art, we'll be using rubbing techniques to create patterns and textures before designing and making our own artwork using natural resources.</p> <p>In French, we will be revisiting numbers and learning them up to 100. We will be using numbers in the context of having a conversation and purchasing items in Euros.</p>																									