



St Luke's C of E Primary School – Topic Overview

Year 6 – Frozen Kingdoms

Enquiry Questions

What qualities do polar explorers have?

What impact is global warming having on the polar regions?

How are polar animals adapted to their environment?



Welcome to the planet's coldest lands. Vast wilds and hostile territories; incredibly beautiful, yet often deadly. Take shelter from the elements or fall prey to icy winds and the deepest chill. Trek bravely and valiantly across treacherous terrain to the ends of the Earth, treading deep in snow or being pulled by a team of mighty sled dogs. Be alert, for magnificent mammals roam these lands, sometimes hungry or fresh for a fight. Perhaps a hungry polar bear or an Arctic fox is hunting rodents, as swift as the wind.

In the Frozen Kingdoms project, we will learn about the regions of the Arctic and Antarctic. We'll learn about the similarities and differences between these two regions, including the climate, landscape and natural resources. After that, we will learn how to use grid references, lines of latitude and longitude, contour lines and symbols to identify the geographical locations of the Arctic and Antarctic, and how these, along with the tilt of the Earth, affect day length and warmth. Next, we will create some artwork inspired by the stunning Northern Lights. We'll investigate how climate change increases Earth's temperature and leads to rising sea levels. Also, we will learn about classifying animals, animal adaptations and evolution, and polar exploration and discovery.

Key Vocabulary:

climate adaption classification iceberg Arctic
Antarctic polar environment Titanic explorer
biodiversity habitat

Love

Courage

Hope



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Home Learning should build your skills and confidence. Please challenge yourself to a selection of these tasks over the course of the topic and bring in what you have done to share with your teacher and your class to achieve bonus house points! Try to complete one from each section!

<p>Verbal I enjoy reading, writing & speaking</p>	Create a haiku about the frozen kingdoms.	Write a diary entry from Ernest Shackleton's point of view.	Write a non-chronological report about Antarctica.	If you were to travel to Antarctica, what 10 things would you take with you and why?
<p>Mathematical I enjoy working with numbers, science and computers</p>	Create a timeline of polar explorers - remember to order your dates chronologically.	Create a PowerPoint about the Northern Lights, including how they are formed.	How far is Bournemouth from the South Pole? What about the North Pole? Can you convert into cm/m/km?	Research how the polar bear has adapted to suit its environment.
<p>Visual I enjoy painting, drawing & visualizing</p>	Create some artwork inspired by the Inuit people who live in the Arctic.	Make an information poster about a favourite polar animal.	Create a silhouette of the Titanic sinking.	Watch 'Frozen Planet' narrated by David Attenborough. https://www.bbc.co.uk/programmes/b00mfl7n
<p>Kinaesthetic I enjoy doing hands-on activities</p>	Make your own giant iceberg by filling a balloon with water and freezing it overnight. Put it in a bowl of water and observe what happens.	Build your own mini igloo, using materials such as sugar cubes.	Create a model compass inspired by the one used by Ernest Shackleton.	Create paper snowflakes. How many different patterns can you make?
<p>Musical and dance I enjoy making and listening to music</p>	Listen to some traditional Inuit throat singing. Can you try for yourself?	Research and listen to some sounds of the Arctic.	Watch some traditional Inuit dancing. Can you copy some of the moves?	Make up a song/rap about the need to reduce climate change.

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