



Moorside Community Primary Academy - Theme Overview

Year: 4 Term: A2 2024 Theme: Polar Regions

History/ Geography

1	Where is Antarctica /The Arctic	Identify on a map. Look at its location to find out why it is so cold. Why is it a desert?
2	Climate	What is the climate like at the poles? Why is this?
3	Animals	What animals are found in polar regions? How are they adapted for survival?
4	Landscape features	Study the physical features of the landscape e.g. crevasse. How is it different to where we live?
5	Weather conditions	Temperature, snowfall, rainfall, wind, blizzards
6	The race to the Pole	The story of Scott and Admunsen
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Key People/Places/Facts

1	Robert Scott	British Explorer
2	Roald Admunsen	Norwegian explorer
3	Ernest Shackleton	British Explorer
4	The Discovery	The ship that was built for the expedition to Antarctica
5	The Endurance	A later ship Ernest Shackleton travelled to Antarctica on
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Big Questions

1	Does the way we live contribute to climate change?	
2	Can we do anything to slow down climate change?	
3	Why do people want to explore hostile places?	
4	Why is Antarctica a desert?	

Vocabulary

Bleak Abundant diversity	Frozen Transparent journey
Distribution Sledge numbing	Companion Classification
Waterproof Extinct hostile	Insulation Pollution endangered
Avalanche Ice axe	Pack ice Zooplankton
Frostbite Scurvy	Latitude Longitude
Floe conservation	Scavengers
Climate change Drake passage	Unique distinctive
Wilderness Collaboration	Remote microscopic
Guano Krill	Peninsula Glacier
Continent Desert	Expedition blizzard

ENGLISH

Reading:

- Bug Club - Mary Anning
- Topic linked to non fiction

Grammar knowledge

- Noun phrases
- Conjunctions and subordinate conjunctions
- Fronted time adverbials
- Apostrophes

Writing Opportunities

- Antarctic animal fact file
- Diary entry (Shackleton)
- Writing to explain - circuits

Book/Author

- The Explorer (for pleasure)
- Little People, Big Dreams - Ernest Shackleton

MATHS

- Multiplication and division
- Using arrays to work out number problems
- Area
- Missing number problems
- Multiplying three numbers
- Multiplying by 10 and 100
- Coordinates

ENRICHMENT

Remembrance
Carol Concert
Santa Visit

Year: 4
Term: Autumn 2
Theme:
Antarctica

ART & DESIGN

Kapow- Printing patterns using a range of materials. Using reflection and symmetry to further the pattern making skills..

MUSIC

Charanga music- Glockenspiels. How to play a simple melody.

PE

Dance & gymnastics

COMPUTING

Coding- Learning how to use simple code to create an animation. Chn work in pairs to create animations on Purple Mash to show the rest of the class.

SCIENCE

Animals including Humans

- Describe simple functions of the digestive system
- Identify different types of teeth and their functions.
- Learn and understand how teeth can decay
- Begin to know the main body parts included in the digestive system,.
- Compare the teeth of carnivores and herbivores, and explain the differences.
- Draw and discuss their version of the digestive system.

Scientific Vocabulary

- Oesophagus, small intestine, large intestine, bowels, carnivore, herbivore, omnivore, canine, incisor, molar, wisdom

Jigsaw - Celebrating Differences

RE -Christianity- What is the meaning of Christmas symbolism to Christians? What is the true meaning of Christmas to Christians?

LANGUAGES

Food names, Simon Says, names of animals, numbers 1-10

