

Year 1 Autumn 2

# Polar Explorers



## BIG QUESTION..

Where are the **coldest** parts of the world and can anyone live there?

Pack up your scarf, winter hat and thick thermal clothing as we are about to set off to the world's coldest regions.

We will discover the brave and determined explorers who travelled to the north and south of our incredible world and learnt more about the animals who live there.

If you're ready, climb aboard your sledge and keep your distance from those polar bears...they aren't quite as cute and friendly as they look!



## In this topic, you will...

### Reading

- apply phonic knowledge and skills as the route to decode words
- read common exception words
- read words containing –s and –es endings
- read other words of more than one syllable
- read aloud accurately books that are consistent with your developing phonic knowledge
- re-read these books to build up fluency and confidence in word reading
- practise reading alien (nonsense) words
- enjoy a range of stories by the author Oliver Jeffers
- read a range of stories about animals from the Polar Regions
- use non-fiction texts to find out information about the Polar Regions and the animals that live there

### Writing

- begin to name the letters of the alphabet
- begin to write capital letters correctly
- write lists, facts and labels
- compose a sentence orally before writing it
- write simple sentences that start with a capital letter and end with a full stop
- use finger spaces in between words
- write simple first person recounts based on personal experience using adverbs of time to aid sequencing
- begin to use conjunctions to join ideas (and)
- continue to build knowledge of what nouns, verbs and adjectives are
- begin to write expanded noun phrases (including adjectives and nouns)
- hold a pencil comfortably and correctly
- ensure letters are formed correctly and of a similar size

### Mathematics

- form the digits 0-9 correctly
- begin to read and write numbers from 1-20 in numerals and words
- count forwards and backwards and write numbers to 20
- begin to understand the place value of a 2 digit number– tens and ones
- order numbers correctly
- read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs
- solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as  $7 = \_ - 9$ .
- explore fact families, comparing groups of objects
- find the difference between numbers using subtraction
- recognise, name and sort 3D shapes
- make patterns using shapes

### Science

- observe and describe weather associated with Autumn and how day length varies and gather and record data by making tables and charts about the seasons/weather
- identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- identify and name a variety of common animals that are carnivores, herbivores and omnivores
- perform simple tests - investigate how polar animals survive in the cold (using lard, ice water and hand)
- use their observations and ideas to suggest answers to questions
- gather and record data to help answer investigative questions.

## In this topic, you will...

### Art and Design

- explore pattern and textures using a range of media and begin to evaluate what went well in an activity
- use paint and other medium to create secondary colours using warm and cold primary colours
- make observational sketches using gentle pencil strokes

- look at the works of a range of artists to support learning about our topic, for example Jacob Jaskoviak Knight, Avercamp, Frances Hatch and Ted Harrison.
- create artwork inspired by Frances Hatch
- to evaluate and analyse creative works, including their own creations

## **Computing**

- explain technology as something that helps us
- name the main parts of a computer
- switch on and log into a computer
- use a mouse to click and drag
- use a mouse to create a picture
- open my work from a file
- use the arrow keys to move the cursor

## **Design and Technology**

- use knowledge of existing products to help generate ideas (product research/ intro)
- select from a range of tools and equipment, explaining your choices (to design and plan)
- use a range of materials and components. (Make)
- make simple judgements about your products and ideas.
- suggest how your products could be improved (Evaluate)

## **History**

- create personal timelines
- create class historical timelines
- know and understand significant aspects of the history of the wider world
- learn about the lives of significant individuals in the past who have contributed to national and international achievements, e.g. Captain Scott's journey to Antarctic, Matthew Henson's discovery of the North Pole

## **Geography**

- identify location of hot and cold areas of the world in relation to the equator and the North and South Poles and the United Kingdom.
- identify seasonal and daily weather patterns in the United Kingdom.
- Use world maps, atlases and globes to identify places around the world

## **Music**

- listen and appraise other styles of music across a range of historical periods and genres (reggae/ rap)
- create and compose music in your own way
- learn to play the glockenspiel
- understand and explore how music is created

## **P.S.H.E**

- identify similarities and differences between people in my class.
- Identify the members of my family and understand that there are lots of different types of families
- Understand what being a good friend means to me
- Discover ways to make new friends and recognise my qualities as a person and a friend
- Discuss who can help me in my school community and who to ask for help

## **Physical Education**

Dance:

- explore travelling actions and be able to use counts of 8 to move in time with music
  - remember and repeat actions and respond imaginatively to a stimulus
  - copy, remember and repeat actions that represent the theme
  - use expression to show feelings and create actions that relate to the story
  - use a pathway when travelling and remember and repeat actions
  - show changes in expression, level and shape
- Sending and Receiving:
- roll a ball towards a target
  - be able to track and receive a rolling ball
  - be able to stop, send and receive a ball with your feet
  - develop sending and receiving a ball with your feet

- develop throwing and catching skills
- develop throwing and catching skills
- send and receive a ball using a stick
- send and receive a ball using a racket

**Religious Education**

- learn know how and why light is used in the Jewish festival of Hanukah
- learn how and why light is used in the Christian celebration of Christmas

**TOP 5 WORDS to know by the end of this topic:**



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Equator

Arctic

Globe

Antarctic

Climate

**Useful websites to enhance learning:**

- <https://www.topmarks.co.uk/english-games/5-7-years/letters-and-sounds>
- <https://www.ictgames.com/>
- <https://www.youtube.com/watch?v=VQgizwvqNk> saying letter sounds
- <http://www.letters-and-sounds.com/phase-4-games.html>
- <https://www.phonicsplay.co.uk/>
- <https://www.topmarks.co.uk/maths-games/hit-the-button>

**Great books you could read:**



