



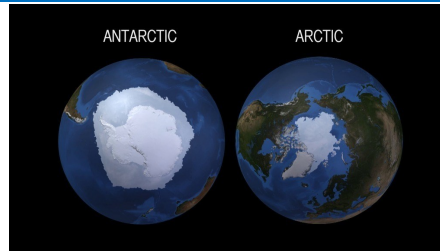
Frozen Kingdom - Year 5 - Autumn 1

Interesting
Reads



Frozen Kingdom

In this project, the children will have the opportunity to explore the polar regions, examining climate, population, animal life and plant life. They will also learn about explorers who have ventured to these regions.



The Arctic and the Antarctic

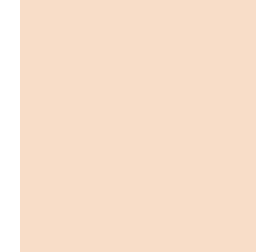
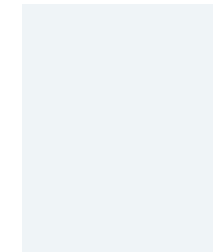
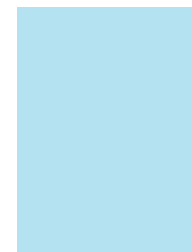
The Arctic is at the very top of the Earth. It includes the areas around the North Pole. The Arctic isn't a country or a continent. It is actually mostly a frozen ocean. Antarctica is at the bottom of the Earth. It includes the areas around the South Pole. Unlike the Arctic, Antarctica is actually a continent. This is because Antarctica is an area of land, covered in ice. We will explore the similarities and differences between these two areas.

Climate Change

As the Earth gets warmer due to the increase in greenhouse gases the polar ice caps are melting. This affects humans and animals living in these areas and also has an impact on other countries due to factors such as flooding. We will consider the impact climate change has on the polar regions and how this impacts the wider world. We will also discuss ways in which we

Subject Specific Vocabulary

Latitude	The lines extending around the Earth horizontally are called
Longitude	The lines extending around the Earth vertically are called lines of longitude.
Hemisphere	A hemisphere is formed by dividing the earth into the Northern and Southern Hemispheres at the equator.
Arctic Circle	Line of latitude that circles the Earth near the North Pole.
Antarctic Circle	Line of latitude that circles the Earth near the South Pole.
Expedition	A group journey with a particular purpose.
Iceberg	A floating mass of ice that has detached from a glacier.
Glacier	A large body of ice.
Indigenous	People or things that have always been in a country.



Maths

Place Value

- Read, write and order numbers to 1,000,000
- Partition and round numbers to 1,000,000

Addition and Subtraction

- Mental strategies
- Add and subtract numbers with more than 4 digits
- Multi-step addition and subtraction problems

Science—Earth and Space

solar system	The solar system is made of the eight planets that orbit our sun ; it is also made of asteroids , moons , comets and lots more.
satellite	A man-made machine or natural object that orbits a body in space and sends signals to and from the Earth.
orbit	A repeating curved path around another object such as the sun .
rotation	Rotation is when a shape is turned around a fixed point.
axis	An imaginary line that a body rotates around. E.g. Earth's axis runs from the North to the South Pole.
spherical bodies	Astronomical objects shaped like spheres (a round 3D shape in the shape of a ball).

Scan Me!

Ernest
Shackleton



Antarctica

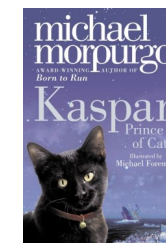
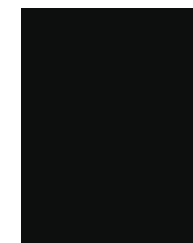


English

English and Guided Reading lessons will focus on two texts:

Varmints by Helen Ward

Kaspar: Prince of Cats by Michael Morpurgo



Our text types will include:

- Poetry
- Descriptive writing

Art	DT
Typography and Maps	Design a shelter for Shackleton and his men.
PE	RE
Swimming TBC Dance Football	Islam - Why is it important to Muslims that Muhammad is known as the Seal of the prophets?
French	Music
The date—days of the week, months of the year and numbers.	Composing and creating music about Space.
PSHE	Computing
<u>'Being Me in My World'</u> - To understand the impact of differences such as race and culture. - To understand types of bullying and recognize bullying behaviours.	<u>Coding</u> Children will learn about the importance of simplifying code, as well as how tags, functions and different variable types can be used within a program.