## Big Question: Where are the Frozen Kingdoms?

How much daylight is there at the poles?

How has climate change affected the ice caps?

What is a frozen kingdom?

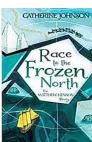
How is the Earth divided?

Antarctic and Arctic regions?

Who lives in Polar Regions?

## Exciting Books





## Sticky Knowledge about Frozen Kingdom

places on Earth.

• The Arctic region is found in the Northern Hemisphere and includes parts of

Canada, Alaska, Russia, Finland, Sweden, Norway, Greenland and Iceland. Temperatures can reach -68°c in the winter months, making it one of the coldest

The Arctic region is home to small populations of people (Inuits) alongside an

amazing variety of animals, including the polar bear, the arctic fox and the

• The Arctic is an ice-covered ocean surrounded by continents.

Longitude, Latitude, Time

zones, Arctic, Antarctica,

horizon, temperature, glacier,

Northern Lights, snow, ice,

Continent, climate, explorer,

expedition, global warming,

pollution, Shackleton, Titanic.

iceberg, icicles, glacier,

expedition, igloo, Inuit,

navigate,

Vocabulary

LQ 6

LQ1

LQ 2

LQ3

LQ 4

LQ 5

Design and make gloves/a coat for a polar explorer

Animals, including Humans (Year 5 and Year 3).

What are the geographical similarities and differences of

• The Antarctic is in the Southern Hemisphere at the very bottom of the Earth.

walrus.

• Ernest Shackleton led an expedition to Antarctica in 1914 • The North and South poles experience 24 hours of daylight in Summer and 24

hours of darkness in the winter. • Auroras are displays of coloured lights seen in the skies near the North and South Poles. The lights are created when electrically charged particles from the

Sun collide with oxygen and nitrogen gas particles in the Earth's atmosphere.

The Antarctic is a continent surrounded by ocean. It is covered in an ice sheet that is up to 4.8km thick.

• It is the coldest, driest and windiest continent on Earth. Temperatures can reach -89 °c, there is no precipitation and wind speeds can reach 80km per hour in some areas.

- End **Product**
- Links to previous topics

Curriculum

- Discuss the rights of native people Equality Diversity **Inclusion**
- Character
  - Empathy Teamwork

Explorers (Year 1)