

Frozen Kingdoms – Arctic and Antarctic Regions

Key Vocab:

Arctic, Antarctic, Antarctica, Aurora, avalanche, biodiversity, classification, climate, climate change, continent, ecology, expedition, food chain, glacier, habitat, iceberg, ice sheet, ice shelf, latitude, microorganism, Northern Hemisphere, pack ice, permafrost, pollution, sea ice, settlement, Southern Hemisphere, tundra



Sequence:

Immersion: Expedition Day!

Where are the Arctic and Antarctic?

Physical features

Animals and habitats

Human impact

Where?

North Pole

At sea - 700km to nearest land

Height

Up to 2m above sea-level

21st June

Midsummer, 24hr. light

21st December

Midwinter, 24hr. dark

Is there a physical marker

No, it would drift off in a few hours

Temperature

+13°C to -43°C

South Pole

Inland - 1,300km to nearest sea

2,835m above sea-level

Midwinter, 24hr. dark

Midsummer, 24hr. light

Yes, moves 10m a year

-12.3°C to -62°C



Geographical skills:

- *Locational knowledge: latitude and longitude; use of atlases and maps*
- *Physical geography – climate and hostile environments and biomes*

Key thread:

Develop contextual knowledge of globally significant places – defining physical and human characteristics

ANTARCTIC

ARCTIC



Key figures in Polar exploration:
Roald Amundsen, Robert Falcon Scott, Sir Ernest Shackleton, Sir Edmund Hillary, Sir Douglas Mawson, Sir Ranulph Fiennes

Writing opportunities:

- *Leaflet for explorers*
- *Descriptive writing – landscape*
- *Non-chronological reports about the physical features found there*

