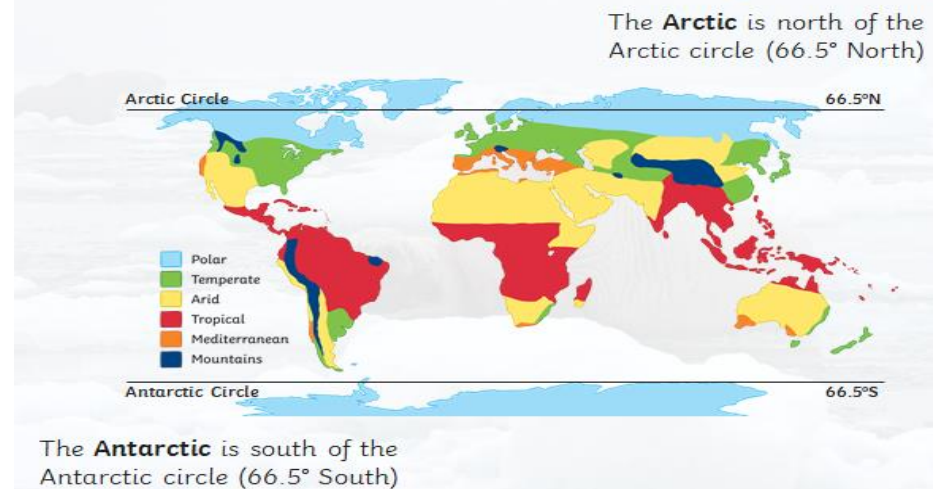




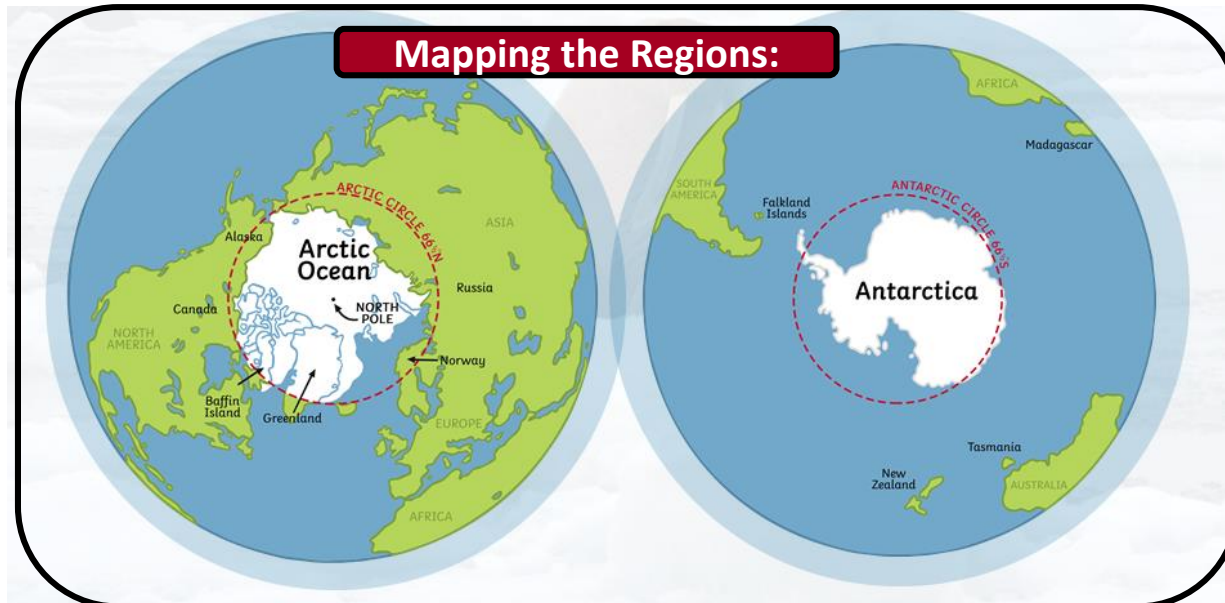
Key Vocabulary

Word	Meaning
Arctic Circle	A polar region located in the northern hemisphere.
Antarctic	A polar region around the Earth's South Pole, it is the coldest continent on Earth.
Polar	Near the North or the South Pole
Glacier	A large river of ice that remains frozen and moves slowly.
Navigate	To find your way using maps and measuring tools like a compass
Native/Indigenous	A person who was born in or comes from a particular place.
Iceberg	A large mass of ice that has broken away from a glacier and is floating in the ocean.
Climate change	Change in climate and weather due to global warming.
Degrees Celsius (°C)	Unit of measure used to measure the temperature – how hot or cold something is.

The Polar Regions:



Mapping the Regions:





Antarctic (South Pole):

- Under the ice and snow is land, not ocean.
- There are mountains so the higher you go, the colder it gets.
- The lowest temperature recorded was -89 degrees Celsius.
- It is one of the driest and windiest places on Earth.
- Because of the Earth's tilt, the continent remains in darkness throughout the winter months and in the summer months the sun does not set.
- Also, whilst no one lives permanently in the Antarctic, there are scientists working at the British Antarctic Survey Research Stations all year round.
- If all the ice in Antarctic was to melt, the sea levels would rise by 60-80 metres.

Antarctic Animals:



Weather:

Both the Arctic (North Pole) and the Antarctic (South Pole) are cold because they don't get any direct sunlight. The Sun is always low on the horizon, even in the middle of summer. In winter, the Sun is so far below the horizon that it doesn't come up at all for months at a time. So the days are just like the nights—cold and dark.

Arctic (North Pole):

- The Arctic is ocean surrounded by land.
- The Arctic consists of the Arctic Ocean and parts of Canada, Russia, the USA, Greenland, Norway, Finland, Sweden and Iceland.
- The ocean under the Arctic ice is cold, but still warmer than the ice! So the ocean warms the air slightly
- Despite the freezing-cold temperatures, approximately four million people call this wintry place home!
- Amongst these are the indigenous people of the Arctic, called the 'Inuits'.

Arctic Animals:



Extending your learning:

1. Visit the Science Museum (Imax Screening of Antarctica)
2. Research explorers such as Ernest Shackleton
3. Watch "Life in the Freezer" narrated by David Attenborough



Knowledge Organiser Revision Schedule

Here is the revision schedule for this half term's knowledge organiser. Please help your child to learn the specified section each week.

Week	Knowledge Organiser Section to Learn
Week 1 –	Introduce the knowledge organiser
Week 2 –	Read the definitions for Arctic Circle, Antarctic and polar.
Week 3 –	Read the definitions for glacier, navigate, and iceberg.
Week 4 –	Read the definitions for Degrees Celsius, climate change, ice shelf and indigenous/natives
Week 5 –	Look at the section on the North and South Pole.
Week 6 –	Look at the sections on the Arctic and Antarctic.