

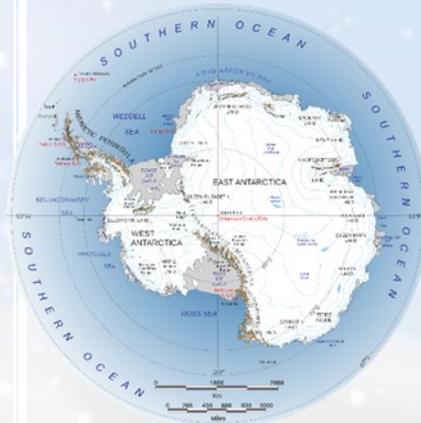
# Reception - Snow and Ice!

**Key texts:** Ponko at the South Pole by Meredith Hooper  
One Day on our blue planet...In the Antarctic by Ella Bailey  
Non-fiction text about Antarctica

This topic relates to the Y2 Explorers unit looking at Antarctic exploration.

## Key Questions

- ◇ Where is Antarctica on the globe?
- ◇ What would you see at the South Pole?
- ◇ What is it like to live in Woodmancote?
- ◇ What would it be like to live at the south Pole?
- ◇ How is Antarctica the same and different to Woodmancote?
- ◇ How do I make ice and what happens to ice when it gets warmer?
  - ◇ What might you take with you to the Antarctic?
  - ◇ Would you like to go to Antarctica?



## Skills:

### People and Communities

- ◇ I know that people live and work in different places
- ◇ I can name similarities and differences between life in this country and life in other countries

### The Natural World

- ◇ I know the name of my country
- ◇ I can name some other countries
- ◇ I can talk about what it is like where I live
- ◇ I can talk about what it is like in some other countries
- ◇ I can say similarities and differences between the physical landscape of this country and other countries
- ◇ I can comment on what I notice in the natural world



## Key Knowledge:

- ◇ It is very different to Woodmancote in Antarctica.
- ◇ Antarctica is very cold and covered in snow and ice. Ice is made from frozen water, and can melt.
- ◇ People go there to research and study, but don't live there all the time. If you visit you need special, cold weather clothes.
- ◇ Emperor Penguins, Leopard seals and Skua birds and other animals live there all the time, catching fish in the Southern Ocean for food. Very few plants survive here and there are no trees.

## Key Vocabulary:

- ◇ Temperature - measure of how warm or cold it is
- ◇ Expedition - a journey with a group of people to explore a different place
- ◇ Iceberg - large block of ice floating in the Ocean
- ◇ Research - study of materials and animals in order to prove facts and find new information.
- ◇ Explorer - someone who travels to places about which very little is known, in order to discover what is there.
- ◇ Melt - When a solid ice melts or when you melt it, it changes to liquid water, because it has been heated.
- ◇ Freeze - liquid water freezes, it becomes solid ice because of low temperatures.
- ◇ Vehicle - a land based thing for transporting people or goods.
- ◇ South Pole - Southernmost point on the surface of the earth
- ◇ Antarctica - the most southern land mass (continent)
- ◇ The Antarctic - Antarctica and some of the Islands around it.
- ◇ Southern Ocean - the Ocean surrounding Antarctica



## Cross Curricular

- ◇ Jane Hissey bear study - linked to Joey Bear in our book Ponko at the South Pole.
- ◇ Design, make and evaluate a hand puppet of an Antarctic animal.
- ◇ Songs - Walk like a penguin, 10 Baby penguins, standing in the snow.
- ◇ Melting and freezing ice balloons and floating them.



## Interesting websites

<https://discoveringantarctica.org.uk>

<https://www.coolantarctica.com>

