

# Frozen Kingdom

**What do we already know?**

The Arctic and Antarctic are at the top and bottom of the globe.

They are the coldest places on Earth because they are far from the Equator.

They are icy landscapes.

The ice is melting due to Global Warming.

Animals such as polar bears, penguins, foxes and seals are adapted to live in these cold climates. They have fur, thick layers of fat under their skin and waterproof coats.

They are protected areas of the globe.

**Geography**

Children can locate the Arctic and Antarctic on a variety of maps becoming familiar with their climate zones and biomes.

Children can talk about the Arctic and Antarctic in terms of its geographical position (longitude, latitude, hemisphere and where it is in relation to time zones)

Children can say how the topographical features have changed over time (climate change and global warming).

**PSHCE**

Children can describe the effect of global warming from the point of view of what damage is it doing to the Polar Regions.

**Art**

Children can create a landscape including the Northern Lights using mixed media.

**English**

Children can write a persuasive letter linked to climate change.

Pupils can write an explanation text comparing the Arctic and Antarctic regions.

**DT**

Children can design and make a useful object from common plastic waste.

**What would we like to learn?**

What's the difference between the Arctic and Antarctic?

Which has polar bears and penguins?

How do we stop rising sea levels?

How will Climate Change affect polar bears?

Do humans live in the Polar Regions?

Just how cold does it get in the Arctic and Antarctic?

**Science**

Children can say how a living thing is adapted to its environment and how adaptation may lead to evolution with a focus on human evolution in the future.

Children can say how characteristics are passed from parents to offspring.

Children know the work of Charles Darwin and the origin of species.

**History**

Children can place Shackleton's journey on a timeline and recall significant details of the expedition.

**Computing**

Children will learn about how the internet works and how to stay safe when using online websites and Apps.