

# 'Iceberg Ahead!' Knowledge Organiser

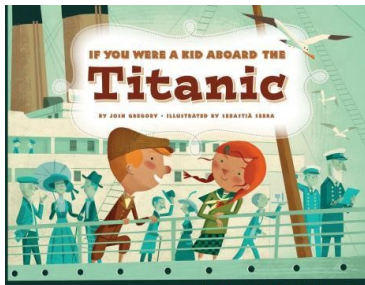


**What is climate change and what can we do about it?**

**How is the city of York different to a city in the Arctic?**

**Who and what lives in the Arctic?**

## *Books we will focus on this half term.*



### **5 Finger Facts to remember!**

1. The 7 countries within the Arctic Circle are; Canada, Alaska, Greenland, Norway, Sweden, Finland and Russia.
2. Mountains, hills, sea ice and icebergs, glaciers, oceans, coast lines, rivers and lakes are physical features of the Arctic.
3. The Arctic has a distinct Summer and Winter season. Autumn and Spring are very short. The Arctic is a Tundra climate.
4. Some of the animals found in the Arctic include; polar bear, beluga whale, Arctic hare, horned puffin, Arctic wolf and the walrus
5. The Arctic is warming about twice as fast as the global average, causing the ice that polar bears depend on to melt away. Loss of sea ice also threatens the bear's main prey, seals, which need the ice to raise their young.



## *Key vocabulary this half term*

<b>North Pole</b>	The northern most place on Earth
<b>South Pole</b>	The southernmost place on Earth
<b>Equator</b>	An imaginary line around the centre of the Earth
<b>habitat</b>	A place that an animal lives. It provides the animal with food, water and shelter. There are many different sorts of habitats around the world from forests to grasslands and from mountain slopes to deserts. Different habitats are home to different ani-
<b>adaptation</b>	Adaptations are special body parts or behaviours that help a living thing survive in an environment.
<b>Arctic</b>	The Arctic is the area around the Earth's North Pole.
<b>blubber</b>	The layer of fat beneath the skin of polar bears, whales, seals, and other large sea mammals
<b>mammal</b>	Mammals include humans and all other animals that are warm-blooded vertebrates (vertebrates have backbones) with hair. They feed their young with milk and have a more well-developed brain than other types of animals
<b>inuit</b>	The Inuit are native people of the Arctic regions. They live in Greenland, Alaska, Canada, and eastern Russia
<b>igloo</b>	An igloo is a shelter (a place for people to stay warm and dry) made from blocks of snow placed on top. Snow is used because the air pockets trapped in it make it an insulator of each other, often in the shape of a dome
<b>Tundra climate</b>	Tundra regions have long, cold winters and shorter summers. Average temperatures are below freezing for six to ten months of the year.

## Home Learning Challenges



## Home Learning Challenges

Here are some ideas for this half term's learning challenge!  
I look forward to seeing the completed challenges!

Thank you for your continued support,

KS1 Team ☺

### As Writers can you:

- Write an adventure story set in the Polar Regions.
- Create your own fact file about the different animals that live in the Polar Regions
- Create a leaflet/ poster about an animal that lives in the Polar Regions, describing how they survive in such extreme conditions
- Create a fact file about the life of an Inuit, where do they live? What do they do? How do they survive?

### As Geographers can you:

- Describe what the Polar Regions are like, what you might see or do if you went there?
- Research lots of interesting facts about the Polar Regions?
- Create your own world map poster and identify whereabouts the UK, North Pole and South Pole are?



### As Scientists can you:

- Design and create your own weather chart and compare the daily weather patterns of the UK and the Polar Regions
- Carry out your own ice experiment at home - place three ice cubes (or more) in different places around your home (in beakers!) and predict which ice cube will melt the fastest, then record your investigation - take photos if you can!
- Create a poster of things you see in Winter where we live, and write facts about the different things you know about the Winter season

### As Artists/Designers can you:

- Create your own polar animal
- Design a poster/collage of the different things you would see in the polar regions
- Design and create your own Arctic/Antarctic model using recyclable materials
- Design and create your own igloo using recyclable materials, maybe you could even create an Inuit to live in it!
- Design and create a paper Mache Earth and label the UK, the Arctic and Antarctica!

