



Trailblazers Autumn Term 2 – Frozen Kingdom Overview, Vocabulary and Sticky Knowledge



What do I already know?

In Explorers, I learned that...

- Westhouses is a village in Derbyshire in England. This is where we live! (Marvelous me!)
- Homes around the world can be very different. This is because people have access to different materials and because the weather can very different. (Exploring Building)
- The U.K is in the continent Europe. (China)
- The capital city of England is London. (China)
- Our local area has allotments, the school and recreation ground. (All around us)
- There are 7 continents in the world and 5 oceans. (All Around Us)

In Philosophers, I learned that...

- The different climate zones are: polar, temperate, arid, tropical, Mediterranean and mountainous. (Scrumdiddilyumptious)

What am I going to learn?

- About the tropics and the equator.
- What is the same and different in Antarctica and the Arctic.
- Famous arctic explorers.
- How people live in the arctic.
- How cold climates have changed.



Challenging
vocabulary.



Key Vocabulary:

Words to learn.

Words I should
know.

Circumnavigate
, albedo effect,
humanitarian,

Longitude, latitude, Gulf Stream, humidity,
plankton, krill, precipitation,, Capricorn,
cancer, Frigid zone, Temperate zone, sun
ray, dispersal, Prime Meridian,

Iceberg, Titanic, desert, pole, Arctic, Antarctica,
environment, hemisphere, northern, southern, penguin,
mammal, microscopic, settlement, negative, time zone,
equator,

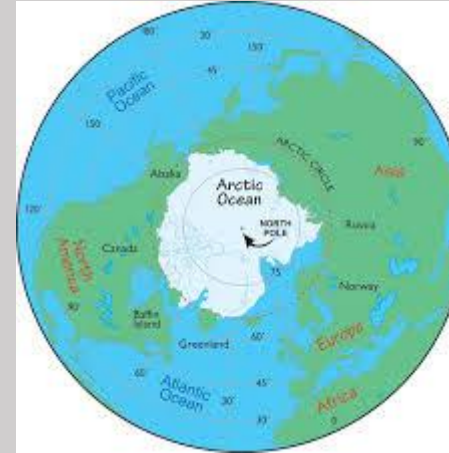
Topic Traveller Question:

Does it matter if the ice melts?

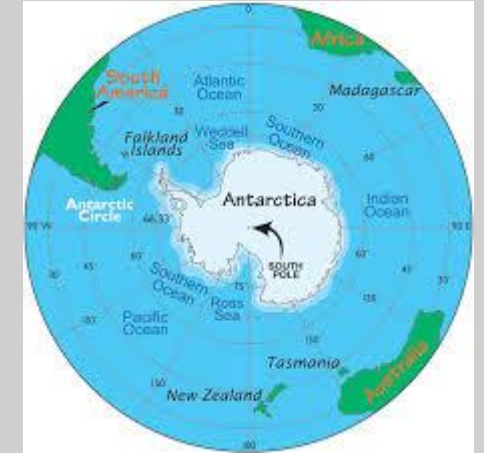
Answer this question in a creative way and bring into school at the end of this half term.

Sticky Knowledge:

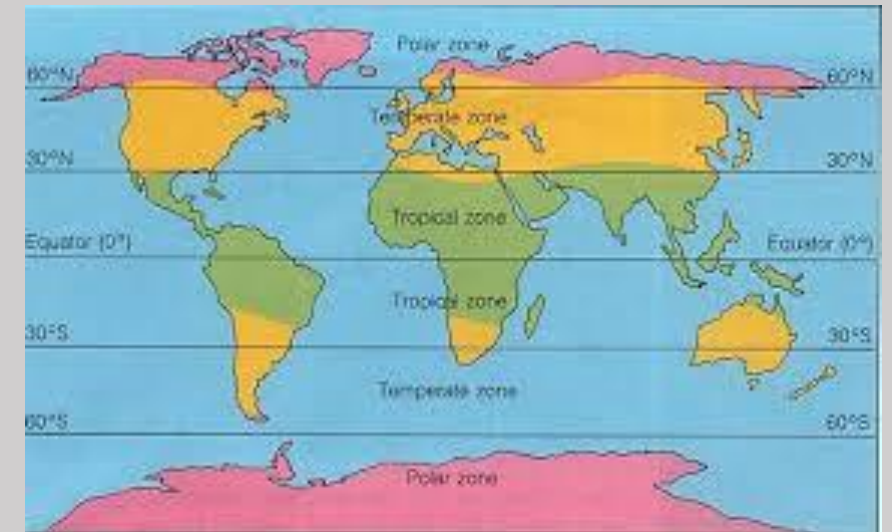
- Not all deserts are covered by sand. Only 20% of all deserts are covered with sand.
- During the South Pole winter (mid March to mid September) it is dark all the time. During the summer it is light all the time.
- The North Pole is never in the same place – it's a magnetic point and constantly moves!
- Even though we think they should be, not all deserts are hot. Two of the world's biggest deserts are in the North and South Poles.
- The Antarctic is colder than the Arctic: this is because it is higher up, and has land underneath the ice. Because the Arctic is just an ice sheet, it retains more heat!
- Antarctica is a continent with land, The Arctic is a sheet of sea ice.
- Polar bears and penguins are able to keep warm because they have blubber inside their skins.
- Despite the low temperatures over 4 million people live in the polar regions.
- No one actually owns the Antarctic: different countries have research bases on it instead!



Map of the Arctic.



Map of Antarctica.



Climate Zones.