

Subject	Year	Term
Geography	8	Summer term 2
<b>Topic</b>		
Perishing Places		
<b>Content + skills (Intent)</b>		
<b>Prior Learning (Topic)</b>		
<b>KS1/2</b>	Naming Oceans and Continents Weather patterns at the equator and poles Using atlases and globes, lines of latitude, Antarctic and Arctic circle Physical Geography Climate zones	
<b>KS3 @ Balcarras</b>	Pole to Pole topic, investigating places physical and human geography Adventure landscapes, the formation of landscapes and their uses	
Through this topic students will develop contextual knowledge of Cold Environments, their characteristics, and their fragility and the range of risks that they are threatened by, plus a consideration of strategies to manage and preserve this Ecosystem. An Introduction to cold environments (Arctic and Antarctica), characteristics and adaptations of animals A history of Antarctica and a look at modern uses of Antarctica, the Antarctic Treaty The future of Antarctica including looking at the threats it faces		
<b>Future Learning (Topic)</b>		
<b>KS3 @ Balcarras</b>	Coasts on the edge, looking at processes and human use of landscapes Ecosystems looking at global Biomes, adaptations of animals Paradise lost, tourism and impact of tourism	
<b>KS4 @ Balcarras</b>	Physical landscapes in the UK, Glacial environments The Living World Cold Environments	
<b>KS5 @ Balcarras</b>	Carbon and Water Cycle	
<b>How will knowledge and skills be taught? (Implementation)</b>	<b>How will your understanding be assessed &amp; recorded (Impact)</b>	
An Introduction to the differences and similarities between the Arctic and Antarctica. The climate and the adaptations of animals to these conditions. A look at the history of exploration in Antarctica, the Antarctic Treaty and its implementation. A debate on mining in Antarctica and then a look at the threats Antarctica faces and the future of this place.	Marks for homework tasks Marking of classwork Contribution to the debate	
<b>How can parents help at home?</b>		
Support with homework's or use of preparation for the debate. Watching documentaries about either the Antarctic or Arctic regions. There are several websites with information on		
<p> <a href="https://discoveringantarctica.org.uk/introducing-antarctica/">https://discoveringantarctica.org.uk/introducing-antarctica/</a> General facts on Antarctica  <a href="https://www.bbc.co.uk/bitesize/articles/z438cqt">https://www.bbc.co.uk/bitesize/articles/z438cqt</a> animal adaptations to Antarctica  <a href="https://www.rmg.co.uk/stories/topics/race-south-pole-scott-amundsen">https://www.rmg.co.uk/stories/topics/race-south-pole-scott-amundsen</a> info about Captain Scott  <a href="https://www.nationalgeographic.org/encyclopedia/antarctica/">https://www.nationalgeographic.org/encyclopedia/antarctica/</a> An overview of the continent  <a href="https://www.bas.ac.uk/science/science-and-society/education/antarctic-factsheet-geographical-statistics/">https://www.bas.ac.uk/science/science-and-society/education/antarctic-factsheet-geographical-statistics/</a> The British Antarctic Survey are the group who run scientific research in Antarctica.  <a href="https://www.antarcticglaciers.org/antarctica-2/introductory-antarctic-resources/ten-antarctic-facts/">https://www.antarcticglaciers.org/antarctica-2/introductory-antarctic-resources/ten-antarctic-facts/</a> The science behind the ice  <a href="https://www.nationalgeographic.com/travel/destination/arctic">https://www.nationalgeographic.com/travel/destination/arctic</a> arctic travel stories  <a href="https://coolantarctica.com/Travel/arctic-travel.php">https://coolantarctica.com/Travel/arctic-travel.php</a> lots of facts on cold environments         </p>		
<b>Conversation Starters:</b>		
Why is it so cold in Antarctica? How can animals or people cope?		
Who was Captain Scott or Edward Wilson?		
What do scientists do in Antarctica?		
Does anyone own Antarctica? What is the Antarctic Treaty?		
What should we do with Antarctica in the future?		

## Helpful further reading/discussion

### Reading

Philip Pulmans the Northern Lights

Black Ice by Matt Dickinson

Shackleton's Journey by William Grill

Shipwreck at the Bottom of the World: The Extraordinary True Story of Shackleton and the Endurance by Jennifer Armstrong

DK Eyewitness Books: Arctic and Antarctic by Barbara Taylor

Race to the Pole, Ranulph Fiennes

ENDURANCE: SHACKLETON'S INCREDIBLE VOYAGE by Alfred Lansing

LAST MAN OFF: A TRUE STORY OF DISASTER AND SURVIVAL ON THE ANTARCTIC SEAS by Matt Lewis

THE WORST JOURNEY IN THE WORLD by Apsley Cherry-Garrard

ANTARCTICA: A NOVEL by Kim Stanley Robinson

ALONE IN ANTARCTICA by Felicity Aston

LEAN FALL STAND by Jon McGregor

RACE TO THE POLE: CONQUERING ANTARCTICA IN THE WORLD'S TOUGHEST ENDURANCE RACE by Ben Fogle and James Cracknell

THE BIRTHDAY BOYS by Beryl Bainbridge

### Vocabulary Lists

Antarctica

Arctic

Adaptation

Latitude

Climate

Antarctic Treaty

Expedition

Wilderness

Fragile

Protection

Scientific research

Climate change

Glacier

Sea level rise

### Careers Links

Jobs linked to this lesson include; research scientists

<https://www.bas.ac.uk/jobs/vacancies/>

General advice on how to get jobs in Antarctica

<http://antarctica.kulgun.net/Jobs/>

Do you want to lead expeditions in Antarctica?

<https://secretcompass.com/how-to-be-expedition-leader/>

What about running a marathon in Antarctica?

<https://www.icemarathon.com/>