

Weather in the Polar Regions



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The Polar Regions

Last week, you explored and looked at the different Polar Regions. To make sure we are able to look at the Polar Regions in more detail, can you remember the two different polar regions?

Talk to an adult or person next to you!

The Polar Regions

Well done for remembering the Polar Regions.

- The north pole (The Arctic)
- The south pole (The Antarctic)
- Today, you are going to be exploring the Polar Regions further. You will be looking at the weather in the Arctic and the Antarctic, and explore the best ways to overcome the weather.

The weather

Have a look at these two pictures. What can you see?
What do you think the weather would be like?

Talk to a person near you and discuss your ideas!



Weather in the polar regions

In the summer. The majority of days the Polar Regions look like this.

There is clear blue sky and snow on the ground.

During the summer, the temperature in the Polar Regions stays at around 0°C.

During the winter, there is hardly any sunlight, it is dark most of the day and the temperatures are around -50 °C.



Did you notice
how blue and clear
the sky is?

That means it is
very very cold.

Because it is so cold, plants and trees do not grow there, as they can't survive in the cold weather.

Because of this, Humans don't live here.

But a selection of animals like Polar bears, Arctic foxes and foxes are able to keep warm using the fur on their bodies.

Click on the link and watch the video about Antarctica.

<https://www.youtube.com/watch?v=X3uT89xoKuc>



There are hardly any plants in the Arctic because it is too cold for them to grow.

Can we compare? UK V Polar Regions

Look at these two photos. One is of Antarctica and one is of the UK, where we live!

What can you see that is different? Why do you think humans can live in the UK, but not Antarctica?



The UK is much warmer than the Polar Regions, which is why we are able to live here. Because the UK is warmer, food is able to grow, which is what we eat to survive.

Also, more animals are able to live in the UK because of the weather, Animals like dogs and cats would not be able to survive in the Polar Regions because it is too cold.

There are also no cars or trains in the Polar Regions, as they would freeze and it would be hard to build houses and roads in the snow. If we lived in Antarctica, the only ways we could travel are by boat, sledge or snowmobile!!!



What do they wear?

When humans go to Antarctica, they need to wear special clothing which keeps them warm in the cold temperatures.

Explorers wear thick coats, hats and shoes that keep them warm.

Look at the examples of clothing that explorers wear in Antarctica.



Your task

Your task is to design an outfit that would be suitable for an explorer to wear in Antarctica.

This outfit needs to be warm enough to keep the explorers safe and comfy on their expedition.

Have a think about what they might wear.

What might the clothes be made from?

Do you have any clothes that keep you warm? What are they made of?

Your task

You have this worksheet to design your outfit to protect an explorer from the polar weather. You will then think about how you can describe the outfit you have designed and why you think it will keep the explorer warm.

Use the pictures of the explorers to help you and give you some inspiration.

Think about clothes that you have which keep you warm.

LQ – To know what the weather is like in the Polar Regions

Design a suitable outfit that would be fit for an Arctic explorer. Make sure the outfit can keep the explorer warm while they are out on their expedition.



Describe the outfit that you have designed and explain why it will keep the explorer warm.
