

Year 6 Topic

Frozen Kingdom



Welcome to the planet's coldest lands, which are incredibly beautiful, yet often deadly.

In this learning project, we'll start by making and observing icebergs. We'll then find out more about them using non-fiction books. We'll learn technical vocabulary so we can write reports in the role of engineers. Using globes and maps, we'll identify the polar regions, comparing the Arctic and Antarctic.

We'll also think about how we can protect the polar environment. Then, we'll investigate the tragic story of the RMS *Titanic*, and find out about the people on board. We'll download images of polar features and save our information in digital folders. When we're more familiar with the polar regions, we'll write exciting stories, poems and diary entries from the perspective of brave explorers. Researching our favourite polar animals will be fun, and we'll create animal artwork inspired by the Inuit people. We'll experiment with digital photography and create amazing effects using paints and dyes.

At the end of the project, we'll present what we have learned and construct a large-scale model of an igloo!

Help your child prepare for their project

This half term, we're going to learn about the coldest places on Earth. Why not watch a documentary such as the BBC *Frozen Planet* series together? You could also freeze pieces of fruit with fruit juice in lolly moulds, to create frozen treats with a hidden surprise. Alternatively, work together to create a snowy collage.

What will you choose to do?

- Imagine that Earth has entered another Ice Age. Write a diary-style piece describing the changes and how the human race has adapted to cope.
- Find out what natural resources and raw materials are reaped from the Arctic. What impact does this have on the environment?
- Use a range of snowy images to create a polar collage. Remember to use lots of interesting textures, shapes, colours and patterns.
- Make 'iced jewels'. Mix powder paints and dyes into water, in an array of colours. Pour into an ice cube tray before freezing overnight. Pop the cubes out and explore your iced jewels. What happens if you sprinkle salt on the cubes?
- Create your own Arctic and Antarctic word search puzzles using all the new words you have learned during the project. Challenge a grown-up to solve it!
- Make a model of your favourite Arctic animal using clay, dough or recycled materials. Take it into school and explain how you made it.
- Create a poster or brochure for a new travel company which arranges visits to the Arctic or Antarctic. Use powerful images and text to tempt customers who want an extra-special trip!
- Design a pair of snow boots for an Arctic explorer. What materials would you use? What features could they have? Let your imagination run wild!
- Imagine a common domestic animal became an inhabitant of the Arctic or Antarctic. How would it have to adapt to survive there? Longer, thicker hair? What else? Rename your common animal with a more exciting 'polar' name!

