

Welcome to Owls Class.

This term our Learning Journey is called Frozen Kingdoms. In the Frozen Kingdoms learning journey, we will learn about the regions of the Arctic and Antarctic.

In Geography, we will learn about the similarities and differences between these two regions, including the climate, landscape and natural resources. We will learn how to use, lines of latitude and longitude, contour lines and symbols to identify the geographical locations of the Arctic and Antarctic, and how these, along with the tilt of the Earth, affect day length and warmth. We will also investigate polar oceans to learn how they differ from other oceans on Earth and how climate change increases Earth's temperature and leads to rising sea levels. We will learn about the indigenous people of the Arctic, including how their lives have changed over time, and about the positives and negatives of tourism in Antarctica.

In English, we will be reading the text 'Sky Song' by Abi Elphinstone, which is a fantasy story set in the Tundra Biome. We will be using this text as inspiration to write our own adventure stories that are set in polar environments. We will also be writing our own winter-themed poems and within these we will be focusing on using different examples of poetic language such as: similes, metaphors and personification.

In Maths this term we will be beginning with looking at angles. We will then move onto looking at properties of numbers and then learning the efficient written methods for short and long multiplication and short and long division. At the end of the term we will begin our unit on fractions, which will continue into next term.

In Art, we will be learning about the Inuit way of life, including some of their cultural and artistic traditions. We will be looking at the examples of art work and sculptures and using this as inspiration to create our own based on artists that we have studied.

In computing, we will be looking at Online safety and how to use spreadsheets

In Science, we will be looking at Earth and Space. We will be learning about the different planets in the Solar System and exploring what causes night and day and the seasons.

In PSHE, we will be looking our responsibility as Global citizens and we will be looking at how to look after the environment.

In RE,

PE will be taught on a Tuesday (Mr Unwin) and Thursday ( Miss Skidmore). We will be covering Gymnastics around the theme of Space which links to our science and we will be working on OAA.

### **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.

### **Try this at home:**

Many people are concerned about the impact of climate change on the polar regions. Gather evidence to find the answers to the following questions. • What is global warming? • What is climate change? • What are four causes of global warming? • What is the impact of climate change on the planet? • What is the impact of climate change on wildlife? • What are your thoughts and feelings about climate change?

Polar animals include polar bears, emperor penguins, Siberian salamanders, Greenland sharks, emerald rockcod, walrus and Arctic terns. Compare two of these species, recording where they are found, their habitats and what they eat.

Draw a detailed diagram of the two species that you compared. Add labels to identify their key features and adaptations.

### Useful websites

Britannica Kids - Antarctica Britannica Kids -

Arctic Regions Met Office -

Climate zones National Geographic Kids -

What is climate change? DKfindout! -

Polar Exploration - Famous Polar Explorers Britannica Kids -

Polar Exploration National Geographic Kids - Titanic Facts

Next Term - Our topic next term will continue to be Frozen Kingdoms