

Class: *Acers*

Term: *Spring 2026*

Driver Subject: *Geography - Frozen Kingdoms*

In the *Frozen Kingdoms* project, your child will learn about the regions of the Arctic and



Antarctic. They will learn about the similarities and differences between these two regions, including the climate, landscape and natural resources. They will learn how to use grid references, 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. They will 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. They 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. They will also learn about classifying animals, animal adaptations and evolution, and polar exploration and discovery.

Science Projects

Electricity



States of matter



English

Poetry - *Still, I rise.*

Non-Fiction - *Non-Chronological report (Emperor Penguins)*

Maths

Y4: *Multiplication and division, length and perimeter, fractions and decimals*

Y5: *Multiplication and division, fractions, decimals and percentages, perimeter and area and statistics.*

Religious Education

How does believing Jesus is their saviour inspire Christians to save and serve others?

What symbols and stories help Jewish people remember their covenant with God?

Art and Design

Environmental artists

D&T

Engineers

<p>Computing Typing skills - Word Creating a PowerPoint</p>	<p>French At home Weather</p>
<p>Music We will be learning and performing using drums this term.</p>	<p>Extras: PE days: Tuesday Forest School for Spring 1 is on Thursday - Children can wear their own clothes and dress in suitable warm, waterproof clothing. Please can children bring wellies so change into or other suitable waterproof shoes.</p>
<p>PSHE Jealousy Online Bullying Breaking down barriers</p>	
<p>PE and Games Forest school Gymnastics Football</p>	

These activities are for you to do at home with an adult. You can do all of them or choose the ones that you find most interesting.

1. Use the internet and other source materials to sketch and label a diagram of the Earth. Include the equator, Prime Meridian, lines of latitude and longitude, Tropics of Cancer and Capricorn and the polar regions.
2. Research and record the characteristics of each of the following climate zones: polar, temperate, desert, tropical and equatorial. Give examples of places within each climate zone.
3. Polar landscapes have many interesting natural features, including icebergs, glaciers, mountains, ice fields, tundra and boreal forests. Record a definition and description of each feature in a table.
4. The Arctic is rich in natural resources, including oil, gas, wood, freshwater and hydropower. Draw a mind map to write a short description of each.
5. 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?

6. 6a. 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.
7. Throughout time, there have been many explorations of the polar regions. Use the internet and other source materials to find out about polar explorers and their discoveries. Create a timeline to show significant polar explorations that took place between 1770 and 1920. Choose one polar explorer that you find inspiring. Find out as much as you can about them and write a short biography about their life, motives for exploration, achievements and discoveries.
8. 8. Use online and other historical resources to find out what happened to the RMS Titanic. Write an account to explain what happened, including how polar features were instrumental in its downfall. 9. Finish your home learning by writing a summary of the topic, explaining what you have learned about the polar regions, including their locations, wildlife, resources, indigenous peoples and threats.

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

Good reads

Arctic and Antarctic, Research on the Edge: Polar Regions, Polar Climates, Ecographics: Climate Change, Polar Explorers for Kids, Story of the Titanic.