



Year 6

Term: Spring 1



Spoken Language:

Children will use their spoken language skills to debate ideas of polar survival and to engage in discussions about our topic.

Writing:

The children will write a biography of a fictional polar explorer through applying what they learned from our visitor. They will also design a survival item and write an explanation of how it works.

Science:

In science, the children will learn about the function of the circulatory system and the crucial part it plays in maintaining body heat.

PE:

Children will learn a dance unit.

Art:

The children will use watercolours and fine line pens to create a polar scene in a snow globe.

RE:

Children will focus on the golden thread of love/agape in the context of Christianity.

Engage:

We will have Al Sylvester visiting to share his journey across Antarctica with us and to inform us of how to survive in the harsh conditions.

Key Question: [What makes the tundra biome so unique?](#)

Maths:

Children will learn geometry objectives before moving onto algebra and ratio. We will also continue to revise key arithmetic skills from all of KS2 to prepare for their SATs tests in May.

Frozen Kingdoms



Geography:

The children will explore characteristics of the tundra biome. Children will be inspired by a real-life explorer to discover more about the Arctic and Antarctic to compare them. They will then look at why climate change is impacting these landscapes and what we can do to save them.

Music:

The children will learn a New Year Carol focusing on singing in time and harmonising.

Computing:

The children will learn how data is transferred on the internet to communicate and collaborate.

Prove it:

Children will prepare explorers journals to apply their geographical knowledge from this half term.

PSHE:

Children will discuss their dreams and goals and how they can achieve them.

Things to explore with your child!

Home Learning:

Home learning will be given out on a Thursday and should be returned the following Tuesday.

Your child will have maths, reading and SPaG home learning each week to be completed on paper and returned to school to be marked.

Times Table Rockstars should also be completed every week as this is vital to their success in maths.

Maths:

<https://mathsbot.com/primary/ks2?fbclid=IwAR10aT8FC0fvo0LbZ7Dd6LaP6ATpi7N8ObtMEfX74gB-J3vF0ZdtiyjvV48#qlaSheet>

Use this website to automatically generate an arithmetic test (it will mark it at the end).

Children need to know the fraction, decimal and percentage conversions by heart and should be able to convert between them.

Reading:

Read a range of books with your child, talking to them about the type of book they are reading.

You could see what you could learn about the polar regions by reading some non-fiction books.

Researching online can also provide an insight into the natural world.

Science:

Research and label the heart and its function in the circulatory system.

Can you research how the heart might keep our bodies healthy in the extreme weather conditions?

Learn about the impact of exercise, diet and lifestyle on the heart and our overall body health.

PE:

Year 6 pupils are expected to have their PE kit every day.

Writing:

Encourage your child to keep a fact file of what they know about the biome we live in.

Talk to them about what they think it life would be like as an explorer in a frozen kingdom.

Perhaps they could try and write a survival guide as it is so challenging to survive in the harsh climates.

Useful websites and resources:

<https://www.natgeokids.com/uk/discover/geography/general-geography/ten-facts-about-the-arctic/>

<https://kids.britannica.com/kids/article/Arctic-Regions/352777>

<https://www.wwf.org.uk/learn/love-nature/frozen-world>



HOME LEARNING PROJECT IDEAS

Frozen Kingdoms



Create a piece of art based on the Arctic in a different medium.

Write a series of diary entries as Shackleton at sea.

Design a model of Shackleton's boat.

Create an advert for people to join Shackleton's voyage.

Create your own model of the circulatory system.

Create a campaign to outline the impact of climate change on the tundra.

Create your own survival kit for the polar regions.

Plot your own journey across the Antarctic on a map.

Please complete at least one activity. These are due on **Tuesday 10th February.**