



# Frozen Kingdoms

Geography

## Companions

- Inuit (Art and design)
- Engineer (Design and technology)
- Environmental Artists (Art and design)
- Electrical Circuits and Components (Science)

## Planned term

Spring

## Memorable experience

We will be learning about the Inuit people and their art - creating our own examples of three different types of Inuit inspired art - leading to a postage stamp being created. These stamps will be sent to the Canadian Post Office.

## Innovate challenge

In 'Inuit', we will create a postage stamp inspired by the art of the Inuit. In 'Engineer', we will be designing and making a prototype bridge. In 'Environmental Artists', we will be creating environmental art. In 'Electrical Circuits and Components', we will be designing and making programmable home devices.

## Class texts

Can you see me? by Lubby Scott and Rebecca Westcott

## Writing

Biography - looking at different women who have changed the world of science, inspired by 'Women in Science – 50 Fearless Pioneers Who Changed The World' by Rachel Ignotofsky. Narrative - adapting 'The Ice Bear' by Jackie Morris, to write our own animal themed story. Finally, we will be creating leaflets about Forest School to give to prospective parents.

## Mathematics

Teaching for Mastery using White Rose Maths supported by NCETM PD spines and Power Maths.

## Science

In 'Frozen Kingdoms', we will be classifying living things; using classification keys; looking at how animals adapt to their environments. In 'Electrical Circuits and Components', we will be learning about circuits and the different components that are used to make them; investigating circuit components and working scientifically.

## Physical education

Following the Primary PE Passport: Football, Gymnastics, Tennis and Swimming.

## Art and design

In 'Inuit', we will learn about print making and carving. In 'Environmental Artists', we will be creating environmental art using recycled, reused and repurposed materials.

## Computing

Following the Teach Computing curriculum. In the first half of term, we will be learning about programming - specifically how to create and use variable in games. In the second half of term, we will be learning about 3D Modelling.

## Design and technology

In 'Engineer', we will learn about significant engineers and bridges; features of bridges; strengthening techniques; iterative design; building prototypes. In 'Electrical Circuits and Components', we will be learning about sensors and monitoring; designing and making home devices; incorporating programming and circuits in products.

## Geography

In 'Frozen Kingdoms', we will learn about the Arctic and Antarctic regions; lines of latitude and longitude; polar climates; polar day and night; polar oceans; polar landscapes; climate change; natural resources; indigenous people; tourism.

## History

In 'Frozen Kingdoms', we will be learning about Polar exploration, including the explorers Robert Falcon Scott and Ernest Shackleton. We will also learn about the Titanic.

## Music

Music is taught following the Charanga Musical School Primary Curriculum programme. All learning is based around the song: A New Year Carol.

## Personal, social and health education

In our Personal, Social and Health Education, we will be using the SCARF programme to focus on these specific topics: Keeping Myself Safe & Rights and Responsibilities.

## Religious education

In Religious Education, we will be answering the following key questions: Why do Hindus want to be good? What do Christians believe God did to save people?

## Spanish

In Spanish, we will be learning about: Free time activities (including infinitive verbs); Free time likes and dislikes and Geography link: Latin America – Spanish speaking countries, capital cities, flags.