



# Nursery Time To Shine - Spring 1

## A World of Difference - Cold Places

Through a variety of adult focused and independent tasks I will use my head, heart and hands to...

- Represent and Demonstrate my knowledge of The Polar Regions - The Arctic and Antarctic
- Demonstrate my Knowledge and Understanding of what happens when water is frozen and warmed
- Show my Understanding of Measure - length, height, breadth and distance through a range of practical activities, use some simple vocabulary to talk about what I know

### **Big Questions**

What can I tell you about the Arctic and the Antarctic?

Can I tell you where the Polar regions are?

What animals live in the Arctic/Antarctic and what facts can I tell you about them?

Can I describe an Arctic, Antarctic animal using simple adjectives?

Can I tell you what happens to water when we freeze it and warm it up?

Can I make a simple prediction?

What language can I use to describe how long, tall, wide an object is?

Can I solve a simple problem using my knowledge of measurement to help me?

Can I create and represent my own interpretation of the Northern Lights?

### **Episodes of Learning**

- Use books (non-fiction and fiction) and the internet to find out about animals that live in the Arctic/Antarctic
- Use maps and globes to identify where the Arctic/Antarctic is
- Identify and name a variety of animals found in Arctic/Antarctic lands and name some of them
- Create representations of an Arctic animals using a variety of self chosen mediums and materials
- Make a wheel to show the lifecycle of a Polar animal
- Use a powerpoint, videoclips and books to find out about 'Inuits'
- Describe Arctic/Antarctic animals using a range of simple adjectives
- Explore and investigate what happens to water when we freeze it and then let it melt again
- Make ice cubes and our own icebergs/ice-blocks, ice lollies
- Use powder paint, food colouring and marbling inks with shaving foam, water, paint and ice to create a variety of effects that represent the Northern Lights
- Use the light box, torches and coloured paddles and coloured cellophane to create coloured lights
- Make simple predictions about what they think is going to happen and talk about what happened
- Describe objects using vocabulary related to length and height
- Use specific mathematical vocabulary relating to length - long, short, tall, wide
- Measure a variety of objects and themselves using non-standard units
- Order objects according to length and height
- Solve the problem - Create a bridge for an arctic animal to get from one iceberg to another without swimming in the water

### **Key Vocabulary**

Arctic, Antarctic, map, globe, continent, animals, North Pole, South Pole, Polar Bear, Arctic Fox, Arctic Hare, Penguin, Walrus, Seal, Reindeer, Husky, Sea Lion, Caribou, fact-file, lifecycle, Inuit, igloo, iceberg, world, globe, map

Water, freeze, warm, melt, ice, iceberg, effect, mix, change, predict, results, investigate, colour, Northern Lights, torch, light,

Measure, length, height, breadth, width, tall, short, long, wide, narrow, non-standard measure