



Reception 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 use my phonic knowledge to write a simple sentence to describe an Arctic, Antarctic animal?

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

Can I make simple predictions?

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
- Create a simple animal fact-file
- 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
- Use my phonic knowledge to write simple sentences that describe Arctic/Antarctic animals
- Explore and investigate what happens to water when we freeze it and then let it melt again
- Making and 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 and discuss the results of the investigation using simple scientific language and/or method of recording
- Describe objects using vocabulary related to length and height and make comparisons
- Use specific mathematical vocabulary relating to length (longer, shorter, longest, shortest), height (taller, shorter, tallest, shortest) and breadth (wider, narrower, widest, narrowest)
- Measure a variety of objects and themselves using non-standard and standard units
- Order objects according to length, height, breadth
- Solve the problem - Create a bridge for an arctic animal to get from one iceberg to another without swimming in the water - use non-standard measures to work out how tall, long and wide the bridge needs to be

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, map, globe

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, standard measure, problem solve, order