

Reception Time To Shine - Polar Adventure - Spring 1

Through a variety of adult focused and independent tasks I will...

Demonstrate my Knowledge and Understanding of what happens when water is frozen and mixed with other ingredients and the Concept of Floating and Sinking	Represent and Demonstrate my knowledge of The Polar Regions - The Arctic and Antarctic	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 Can I make simple predictions and talk about the results of my investigations? Can I talk about my predictions, what happened and the results?	Big Questions What can I tell you about the Arctic and the Antarctic? What animals live in the Arctic/Antarctic and what facts can I tell you about them?	Big Questions What words could I use to describe how long, tall, wide an object is? Can I solve simple problems using my knowledge of measurement to help me?
Episodes of Learning <ul style="list-style-type: none"> 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 water and ice to create a variety of effects Investigate to find out what happens when a range of everyday kitchen substances are mixed with water Explore the concept of floating and sinking using a variety of everyday objects 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 or method of recording Work collaboratively with others 	Episodes of Learning <ul style="list-style-type: none"> 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 clay and techniques such as rolling, moulding, shaping, carving to create an Arctic animal Use a powerpoint, videoclips and books to find out about 'Inuits' Describe Arctic/Antarctic animals using a range of simple adjectives Write simple sentences using my phonic knowledge to describe Arctic/Antarctic animals 	Episodes of Learning <ul style="list-style-type: none"> 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 Create footprints with their friends - working collaboratively (painting feet), measure footprints Solve the problem - Create a bridge for an arctic animal to get from one iceberg to another without swimming in the water - use measurement (non-standard or standard) to work out how tall, long and wide the bridge needs to be Investigate to find out which vehicle travels the furthest and measure how far they travel
Key Vocabulary Water, freeze, melt, ice, iceberg, effect, mix, changes, float, sink, predict, results, investigate, substances, investigate, predict, result, collaborate	Key Vocabulary Arctic, Antarctic, map, globe, continent, animals, Polar Bear, Arctic Fox, Arctic Hare, Penguin, Walrus, Seal, Reindeer, Husky, Sea Lion, Caribou, fact-file, lifecycle, , Inuit, igloo, iceberg, environment, roll, mould, shape, carve	Key Vocabulary Measure, length, height, breadth, width, tall, short, long, wide, narrow, non-standard measure, standard measure, problem solving, order, furthest
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