

MEMORABLE EXPERIENCE

Carousel of activities throughout the day

ACTIVITY 1

MAKING ICE CREAM!!!

FOLLOW THE INSTRUCTIONS
ON THE NEXT SLIDE!

Ingredients

300ml semi-skimmed milk

1 tbsp caster sugar

$\frac{1}{4}$ tsp vanilla extract

1kg ice

6 tbsp rock salt

hundreds and thousands , to
serve

You will need

2 medium zip-seal freezer bags

1 large zip-seal freezer bag

sticky tape

STEP 1

- ▶ Place the milk, sugar and vanilla into the doubled-up medium zip-seal bags. Close and secure with sticky tape if the seal isn't strong. Tip the ice and salt into the large bag, then place the smaller bags inside the larger one, and seal well.

STEP 2

- ▶ You will need to keep the bags moving for 10-15 mins to freeze the milk. Gently throw the bag from hand to hand or take turns shaking it – it's a good idea to wear gloves to keep your hands warm! Remove the ice-cream bag, open and scoop into bowls. Sprinkle with hundreds & thousands.

ACTIVITY 2

ICE EXPERIMENT

FOLLOW THE INSTRUCTIONS

Make 'seawater' in a bowl by adding 35g of sea salt to 1L of tap water. Add a freshwater 'iceberg' (ice cube) and ask the children to make regular observations and record what happens to the iceberg. Explain that they are going to carry out an investigation to find out what factors change the rate at which an 'iceberg' melts. Ask the children to consider which variables they could test, such as air temperature, 'sea' temperature or 'sea' turbulence. The children should select a variable to test before planning a fair test, using the [Investigation planning sheet](#). After carrying out their investigations, encourage them to feedback their results to the class, discussing similarities and differences. Discuss how their results relate to real-life increases in global temperatures and how this is accelerating the break up of ice shelves and glaciers, leading to the calving and melting of icebergs.

Practical resources

- Large bowl
- Sea salt
- Tap water
- Ice cubes
- Thermometers

ACTIVITY 3

TIN FOIL BOAT

Directions

- Cut a piece of tin foil 5 x 6 inches.
- Fold up the sides of the boat so it will not sink and hold a cargo of pennies.
- Place the boat in the bowl of water. Begin adding pennies for the boat's cargo.
- See how many pennies your boat can carry before it sinks.

ACTIVITY 4

NORTHERN LIGHTS PAINTING

USE A VARIETY OF RESOURCES AND
COLOURS TO PAINT THE NORTHERN
LIGHTS

