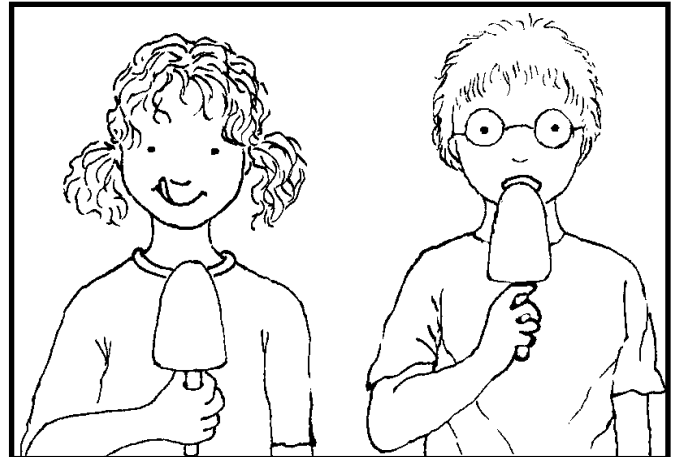




**Topic**  
Water

**Resources**

- Ice blocks made inside small yoghurt pots
- Water tray
- Ice lolly moulds
- Diluted fruit juice
- Access to freezer



Do not let children put the ice in their mouth, as it can cause ice burns. Make sure that the frozen lolly is not too cold before giving it to the children.

**Learning objectives**

- To make observations of ice and its properties
- To explain why some things occur and talk about changes

**Preparation**

- Freeze water in small yoghurt pots.

**What to do**

**Water tray**

- Put the empty pots, the frozen blocks of ice and ice still inside their yoghurt pots into the water.
- Support the learning of new vocabulary and developing language skills by introducing words such as: *cold, warm, freeze, frozen, melting, smaller, float, sink, crack* and *slippery*.

- Point out that the ice is sticking up over the top of the small yoghurt pots. Suggest finding out if the ice, yoghurt pot full of water, and yoghurt pot with ice all float or sink.
- Ask the children to listen carefully and say if they hear anything when the ice goes into the warm water (it should make cracking noises).
- Talk about how slippery the ice is.

**Extension/variation**

- Make fruit juice ice-lollies.

**Science notes**

- Water turns solid (ice) at temperatures at and below 0°C. When water turns to ice, it expands and so ice is less dense than water, and it floats on top of water.

**Links to home**

- Ask parents to talk to their child about things that are frozen, and what happens when they get warmer.