

# Ice Cold Magic

## What do I need?

Salt

Ice cube

Glass of water

String

Plate (optional but makes it less messy)



## How do I do it?

**STEP1** – Challenge a friend or family member and see if they can lift up an ice cube just by placing a piece of string on it?



**STEP2** – Wet your string and push it onto your ice cube. Can you lift it up?

**STEP3** – No matter what they try it isn't possible to lift your ice cube up with just a piece of string. That's where the science comes in!

**STEP4** – Make sure your string is wet and place it on top of your ice cube. Then sprinkle half a tea-spoon of salt on top of your string.



**STEP5** – Wait for 30 seconds...

**STEP6** – Slowly and gently lift your string into the air and watch (in amazement!) as the ice cube lifts up with it.

**STEP7** – Have a good think about what's going on?!