

# The Ice Lifter

You can lift an ice cube with a piece of thread.

Here's what you need:

- an ice cube
- a piece of thread
- a teaspoon of salt.



Here's what to do:

- 1** Put the thread across the ice cube.
- 2** Lift the thread off the ice cube. The ice cube doesn't move.



- 3** Put the thread across the ice cube again.



- 4** Pour the salt onto the ice cube so that it covers the thread.



- 5** Wait a few seconds.

- 6** Now, take hold of each end of the thread and lift up the ice cube!



Wow, the thread is stuck to the ice. I can lift it up! Why?



The salt melts the ice on the top of the ice cube, making a small puddle of water. The rest of the ice cube is still very cold, so the water quickly freezes again around the thread. The thread is now stuck to the ice, so you can lift it up!