

# The Awesomely Amazing Science club

WHIZZ POP BANG!

## Teacher-led activity

## ICE CUP

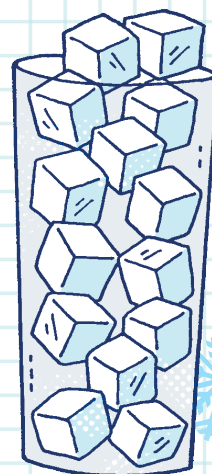


### You will need:

- Ice cubes
- A glass

### What you do:

Put lots of ice cubes into a glass and leave them for a short while. Ask the children what they think will happen.



### You should find:

The ice cubes stick together. The pressure created by the weight of each ice cube melts a little bit of the ice. This water then re-freezes, 'gluing' the cubes together.



## Pupil activity

## SNOWBALL FLIGHT TEST

### You will need:

- White paper
- Sticky tape
- Ruler

### What you do:

1. Make two paper snowballs of the same size (check with a ruler). One paper snowball should be packed tighter than the other and weigh more.
2. Throw each ball in the same direction with the same force and measure how far they went.

### You should find:

The heavier paper snowball goes further. As the balls fly through the air, the air pushes back with a force called drag. The heavier snowball has more mass – this means it takes longer for drag to slow it down, so it travels further.

### What if...

you change the size of the snowball? Measure each snowball and how far it travels when thrown. Record the results in a group table.

