

## Equipment

- Cubes of Jelly
- Chopsticks
- Oil

## The Challenge

To move cubes of jelly from one place to another using chopsticks

## Method

1. Take hold of the chopsticks in one hand
2. Try to pick up a cube of jelly with the chopsticks
3. Once you have a good hold of the jelly cube, try and move it from one place to another
4. Now place a little bit of oil on the jelly cube and try and move it again
5. A little more difficult this time? Why?

## How does it work?

In order to grip an object, you need friction. When a lubricant like oil or water blocks the force of friction it becomes very difficult for two objects to make contact with each other.

## Did you know?

Oil is used in engines to allow moving parts to slide past one another with ease – avoiding wear and tear.

*\*taken from [www.jamesdysonfoundation.co.uk](http://www.jamesdysonfoundation.co.uk) challenge cards series*

