

ENGINEERING
CHALLENGE

15

JELLY AND OIL



THE
JAMES
DYSON
FOUNDATION

JELLY AND OIL

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The brief

Try to move jelly cubes from one place to another using chopsticks.

Materials

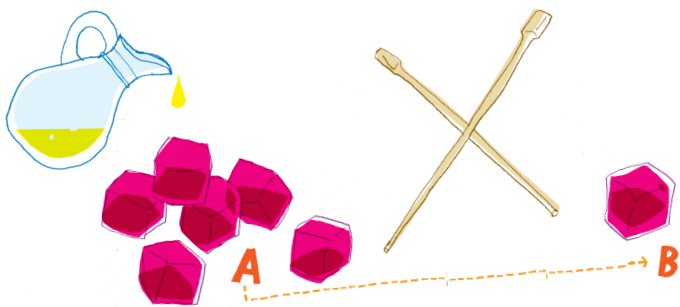
Jelly cubes

Chopsticks

Olive oil

The method

1. Try to move jelly cubes from one place to another using chopsticks.
2. Now cover the cubes in oil and try again.



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.

