



Beware the water roller!

Notes for Parents and Carers

This activity can be done on a hard surface, or on a carpet (the bottle will go further on the former).

It is important to make sure the top is firmly screwed on to the bottle!

Your child will be measuring using handspans, as is often done at this age in school. Please help with the recording. Do encourage your child to predict what will happen.



Science and Technology

Name: _____

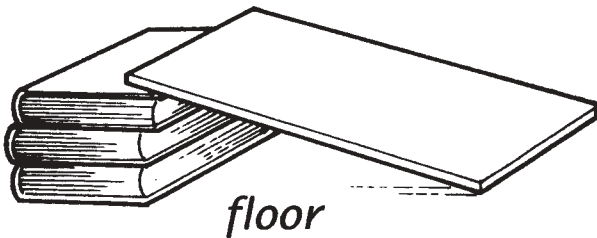
Beware the water roller!

You will need:

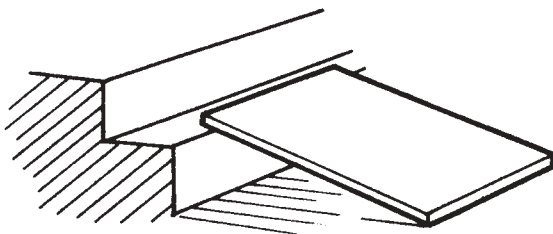
a plastic drinks bottle

a yoghurt pot (or margarine tub)

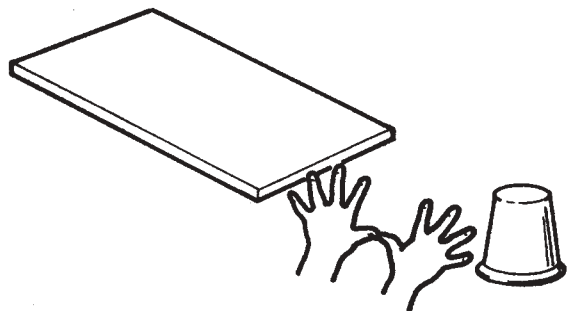
a tray (or short plank of wood)



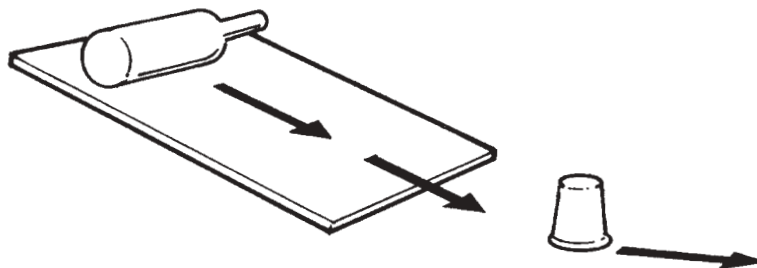
~ Prop up the tray on a pile of books **or** the step of a staircase.



~ Place the yoghurt pot upside down 2 handspans from the end of the tray.



~ Put the empty bottle at the top of the tray and let it roll down.



~ Measure with your hands.

How far was the pot pushed along?

handspans



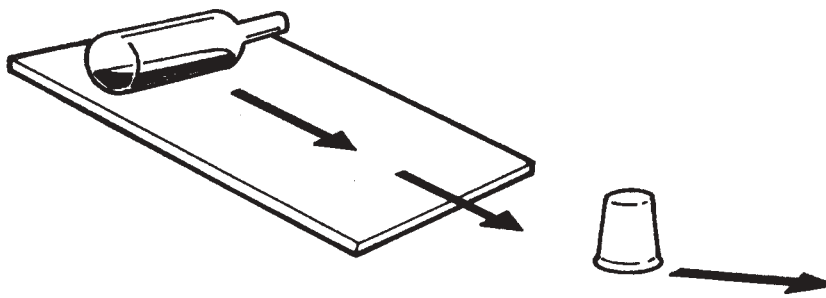
~ Pour some water into your bottle roller.

~ Ask someone to help you to screw on the top very firmly.

~ Put the yoghurt pot back at 2 handspans from the end of the tray.

~ Lift the bottle to the top of the tray again.

What do you think the bottle will do to the yoghurt pot this time?



~ Let go the water bottle roller.

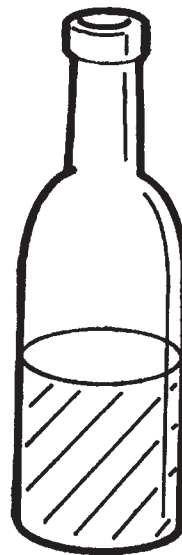
How far does it push the yoghurt pot this time?

handspans

Is the water sloshing inside the bottle?

~ Pour more water into the bottle roller.

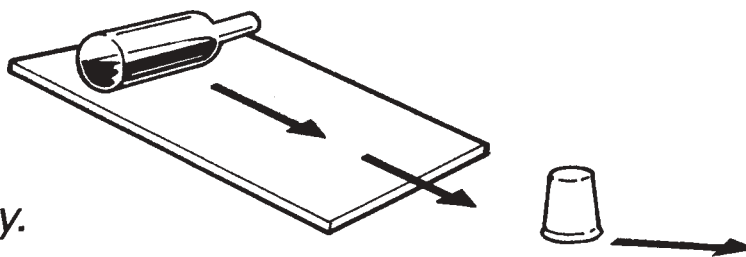
~ Make sure the top is screwed on firmly.



~ Put the yoghurt pot back so as to have a "fair test".

What do you think this water roller will do to the yoghurt pot?

*~ Let the water roller go
from the top of the tray.*



How far did it push the yoghurt pot?

handspans

***Draw a picture of your investigation and take it
back to school.***