

14.5.18

Science Home Challenge



Have a go at this fun investigation with an adult at home!

You can bring in a photo to school or even tweet us @ArchibaldFirst

Try to have a go by Thursday 24th May so we can share what you found out before the half term holiday!

DO NOT TRY THIS AT HOME #1

with Marvin

What you need:

- drinking straw
- a friend
- a ruler
- scissors
- sticky tape
- saucer of water

The challenge:

To lift the water from the saucer using a straw without sucking.

Step 1.

Get your ruler and cut your drinking straw into two pieces: one 3 cm long and one 5 cm long.

Step 2.

Join the pieces together with sticky tape along one side so they form a 90 degree angle, but leave both ends open.

Stand the smaller end of the straw in the saucer of water.

Now blow hard!

So what happened? Well, when air moves, its pressure falls. So when you blow, the pressure at the top of the straw drops. But the air over the saucer keeps the same pressure, so the water is pushed up the straw.

The End

Visit www.physics.org keywords: air pressure, bernoulli