

How To...

Day 15: Make a Straw Water Gun



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Instructions

1. The challenge is to lift the water from the saucer using a straw but without sucking.
2. Get a ruler and cut your drinking straw into two pieces: one 3cm long and one 5cm long.
3. Join the pieces together with sticky tape along one side so they form a 90 degree angle but leave both ends open.
4. Stand the smaller end of the straw in the saucer of water.
5. Now blow hard!

What's happening?

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.

<https://spark.iop.org/straw-water-gun>