

Fun with Science



Tornado in a Bottle



Things you will need:

- 2 litre plastic bottle
- water
- Large bucket

Instructions:

Fill a soda bottle with water to the top. Put your hand over the top of the bottle and turn it over holding it over the bucket. As the water begins to spill out turn the bottle in a circular motion, round and round. keep moving the bottle in a tight circle and you should start to see a tornado forming in the bottle.

The science behind it:

The tornado was caused by a vortex, similar to what you see when your water goes down the plug hole after a bath. A tornado is caused when rotating water is pulled through a hole by gravity. We created the vortex by swirling the water around in the bottle. Creating a vortex meant that the water could travel out of the hole much quicker because it makes it easier for the air to get through.