

# Children's University Home Learning

## Challenge: Make a tornado in a bottle!



A tornado is a column of air that spins really quickly while the top is in contact with a cloud, and the bottom is in contact with the earth. As it spins, it sucks up objects from the floor which spin round and round, up inside the column.

Why not have a go at making your own? You will need-

- Water bottle filled with water
- Washing up liquid
- Glitter (optional)
- Pen / Pencil
- Paper



Step 1 – Take your bottle filled with water and add a few drops of washing up liquid. You could also add glitter at this stage if you have any but don't worry if you don't, it will still work without glitter.

Step 2 – Place the cap back on the bottle and make sure it is secure.

Step 3 – Place the bottle on the hard, flat surface such as a table or the floor and start moving it around in a circular motion, making sure to increase your speed to help get the tornado started.

Step 4 – Once your tornado is spinning, step back and watch it go!

Step 5 – and finally it is time to write a review about your experiment. Be sure to include information such as how long it took it took you to get your tornado spinning, did you add glitter, and did you need any help. If you are able to look on the internet, see if you can find facts about tornados - where in the world was the biggest tornado, when did it happen, etc.?

Step 6 – Send in photo evidence of all your hard work to [moreable@ladybankes.school](mailto:moreable@ladybankes.school) and receive a code!

Make a tornado in a bottle!

