

#ExperimentsAtHome

Experiment shared by: Leonie Briggs, Science Teacher at Darton Academy and STEM Ambassador



CLOUD IN A JAR Producing a cloud in a jar

You will need:

- Hairspray
- Ice cubes
- Jar with lid
- Warm water – off the boil from a kettle.



Instructions:

1. With an adult boil a kettle. Wait for it to go off the boil. Add water to your jar swirling the water around the jar.
2. Place the lid upside down on the jar.
3. Add ice cubes to the jar lid.
4. Quickly and carefully remove the lid from the jar spraying hairspray into your jar.
5. Replace the lid with the ice on top.
6. Remove the lid and you'll see a cloud in your jar!



How it works!

By adding warm water to the jar some of this turns to water vapour. This water vapour rises to the top of the jar where it comes into contact with the cold air (remember the ice cubes on top). Water vapour condenses when it cools down. A cloud will only form if the water vapour has something to condense on to. In this case the water vapour condensed onto the hairspray.

Share your results!

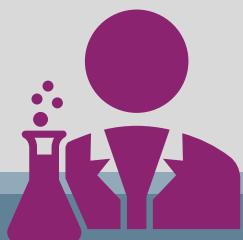
We'd love to see photos and videos of you doing the experiment. Please share on Twitter with hashtag #ExperimentsAtHome and tag in @STEM_HUBNMSEY

Thank you!

Other experiments!

Leonie does lots of wonderful home science experiments on her twitter account – please give her a follow [@MrsBriggsDA](https://twitter.com/MrsBriggsDA)

PLEASE ASK FOR ADULT PERMISSION AND/OR SUPERVISION WHEN REQUIRED.



We hope you have fun!