



RAIN CLOUDS



▶▶ GETTING INTO THE ACTIVITY

Create your own rain clouds with this hands-on science experiment.

Fill a cup with water until it is roughly $\frac{3}{4}$ full. In a separate cup, mix some food colouring with a bit of water to dilute it a little. Now spray shaving foam into the top of the cup to create a fluffy cloud. Children can now use their pipette to pick up some of the coloured water and carefully add drops of it to the top of the 'cloud'. The coloured water should then make its way through the cloud and into the cup of water, making it look like it is raining. Try this with different food colourings and see what different patterns you can make.

The Science: The shaving foam represents clouds and the coloured water represents rain. As the coloured water fills the 'cloud', it gets heavy and eventually is so heavy that it can no longer hold the water. It rains down into the jar, just like real rain.

Clouds are made up of lots of tiny water drops. The more water drops a cloud has, the heavier it becomes and that's when it starts to rain.

✓✓ WHAT YOU'LL NEED

- Cups
- Water
- Shaving Foam
- Food Colouring
- Pipette

! KEEPING EVERYONE SAFE

Maintain social distancing where required. Some food colouring can stain clothes, so please be careful.