

DIY Rainstorm in a jar

Video Tutorial: <https://youtu.be/U33xwGvstO4>



Materials:

- Clear containers e.g. glass cup, masonry jar etc.
- Water
- Food colouring
- Shaving cream (not gel!)
- A dropper (Optional)



Method:

1. Fill your glass two thirds full of water
2. Add a puffy layer of shaving cream on top

*****Explain that the water represents air and the shaving cream represents a cloud, which is made up of lots of tiny droplets of water or ice*****

3. Mix some of the blue food coloring with water and add it, a few drops at a time, to the top of the shaving cream.

The result will be blue rain. For faster rain, try non-diluted food coloring.

THINK! Ask your children to think about why clouds are able to float. (The short answer is that the water and ice droplets are very light.) Why does your child think clouds sometimes make rain? You can keep the answer to this one simple, too. The bigger the cloud gets, the more the water droplets bang together and grow. Eventually they get so heavy, they fall to the ground.

When the thrill starts to wear off making rain, you can add a whole new level of fun by introducing some color mixing. Set up a few more jars of food coloring and water and let your child experiment.

