





Remarkable Rain Clouds

K - 2nd
Grade

Materials

-  Clear jar or cup
-  Water
-  Shaving cream
-  Food coloring



Students will learn about rain clouds by using household items to make a working model.

What are clouds?

A cloud is a collection of billions of tiny droplets of water or ice crystals. These droplets are so small that they can float in the air!

How are they formed?

Clouds are formed as water vapor rises into the air. Once it gets high enough, the water vapor condenses onto tiny particles of dust. Eventually, billions of these droplets will come together and form the visible clouds we see in the sky above us.

What causes rain?

As time goes on, the droplets and crystals that the cloud is made up of will attract more water. Once the water droplets become too heavy, gravity will pull them down as rain.

Directions

1. Fill up your glass jar or cup with cool water. Leave an inch or two of space at the top.
2. Grab your can of shaving cream and cover the top layer until you have a fluffy cloud.
3. Squirt a few drops of food coloring on top of the shaving cream. Be patient as you wait for the rain to come down!
4. (Optional) Repeat the experiment with a different color.

