

Making Rain

Materials:

- Clear Cup or Glass
- Shaving Cream
- Food Coloring
- Water

Want to tie this into a badge?

- Brownie Home Scientist
- Senior Sky
- Ambassador Water



There are different types of clouds levels? High level clouds, Mid-Level Clouds, Low-Level Clouds and Vertical Clouds. Within each type of clouds are different styles!

- High-level Clouds: cirrus, cirrocumulus, cirrostratus
- Mid-level Clouds: altostratus, altocumulus, nimbostratus
- Lower-Level Clouds: stratus, stratocumulus
- Vertical: cumulus, cumulonimbus.



Steps:

1. Fill your cup with water, leaving a little space at the top. The water in your cup is the air in the sky!
2. Add a layer of shaving cream to the top of your jar– the cream is your white, fluffy clouds!
3. Place drops of blue food coloring on to top of your shaving cream clouds. This will be your rain water droplets.
4. Rain water droplets on a real cloud cause it to become heavy. When the cloud becomes to heavy, it will release rain!
5. Wait patiently for your rain to fall!
6. Try making different style clouds and use different color food coloring!