



Simple Science



Let's explore rain



Materials Needed: clear cup, hite shaving cream, water, blue food coloring (you can either squirt it straight from the bottle or add some coloring to another cup of water and use an eye dropper or syringe to drop onto shaving cream)

Directions:

1. Fill a clear cup $\frac{3}{4}$ of the way to the top with water. (this represents air)
2. Squirt a thick layer of shaving cream on top of the water for a cloud.
3. Begin adding **drops** (not a stream) of blue food coloring to the shaving cream.
This is the moisture in the sky.
4. Watch what happens below the cloud. It's raining!!

Science: As more and more **moisture** gathers in the clouds it makes the clouds heavier. At some point it gets so heavy that the cloud can't hold the moisture anymore and the moisture falls from the cloud down to Earth, thanks to **gravity**.

???Questions to Ponder???

- *What would happen if I use different colors of food coloring?
- *Would anything change if I use different sized and shapes of clear cup?