



May/June STEM CHALLENGE

How Clouds Make Rain

Due Date: 6/9/17

Challenge: How much can a cloud hold before it rains?

- Place cups out
- Fill each cup full with water
- Place a dollop of shaving cream on the top of the water
- Drop blue food coloring 1 drop at a time on the shaving cream
- Make observations of what happens
- Make predictions on how many drops of food coloring the shaving cream will hold/did hold
- Discuss clouds and rain

Materials:

- Cups
- Shaving cream
- Blue food coloring
- Water
- “The Rain Came Down” book (Optional)
- “Puddles” book (Optional)



Submission:

- Draw or take a picture of your experiment
- Predictions of what you think will happen and what actually happened
- Write a claim and evidence statement
- Please submit your drawing/picture and predictions and actual to **GST BOCES in the “PONY” to Bath High School Room 444-STEM**
- **Please make sure to have the students name, grade level, teacher name, and school on each paper submitted.**