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.