April STEM CHALLENGE for 3rd and up

Egg Strength Experiment

Due Date: 5/3/17

Challenge: How strong is an eggshell?
• Place an egg (not hard boiled) on a plastic soda bottle cap
• Place another cap on top
• Place heavy items like books, cans of food, bricks, etc. on top little by little
• Document how much weight your egg held before cracking/breaking

Materials:
• Dozen eggs (Not hard boiled)
• Plastic bottle caps (2 per egg)
• Heavy items like books, cans of food, bricks, etc.
• Plate of basin to place egg with caps in to collect mess (Optional)

Submission:
• Draw or take a picture of your egg with items on top
• Predictions of how many books you think your egg will hold
• Actual amount of books your egg held
• Please write a claim and evidence statement
• Please submit your drawing/picture and predictions and actual, and claim and evidence statement 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.