

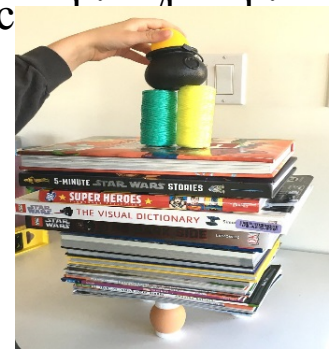
# April STEM CHALLENGE for 3<sup>rd</sup> and up

## Egg Strength Experiment

Due Date: 5/3/17

Challenge: How strong is an eggshell?

- Place a 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 c



Materials:

- Dozen eggs (Not hard boiled)
- Plastic bottle caps (2 per egg)
- Heavy items like books, cans of food, bricks, etc.
- Plate or 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.