Egg Drop Contest

Objective: You are to make or build a container that is the lightest possible mass, and yet is durable enough to protect a raw egg from breaking when dropped from the top of a ladder. Remember that **Force = Mass x Acceleration**, so you want to build a container with the least amount of mass that will protect your egg.

Scoring: This project is worth 50 points and the criteria for grading are as follows:

      50 points: Container is less than 100 grams and the egg survives the fall fully intact

      45 points: Container is 100 grams or more and the egg survives the fall fully intact

      40 points: Egg is cracked, but is not completely broken (mass is not a factor)

      35 points: Egg is completely broken (mass is not a factor)

      30 points: Project is completed but is disqualified for some reason (see rules on back)

      0 points: Project is not completed or submitted on the due date **November 20th**

            LATE PROJECTS WILL NOT BE ACCEPTED

Rules:

- No balloons, parachutes, pillows or stuffed animals are allowed.
- All materials and items used in the construction must be school appropriate.
- DO NOT use anything valuable in the construction of your project. All projects will be thrown away at the end of the period on the day they are dropped.
- You may not alter your egg in any way before putting it into your project.
- You must construct your container in such a way that you can remove the egg **before** dropping it and **after** it is dropped.
- Your project must not be longer than 30 cm on ANY side.
- Once your project hits the ground it will be your responsibility to carefully retrieve your egg and present it to the teacher for scoring.
- You are responsible for cleaning up any mess that your project makes. Choose your materials wisely.