

The Egg Drop Competition

1. Gather all needed materials.
   **Note: there is a lot of flexibility with the types of materials you use. You do not need all the materials listed and you are welcome to use materials that are not listed.

2. Select a testing area, which is where you will drop your egg in its device. It should be open, and preferably directly below a balcony or window. If you do not have access to a second story, you may set up a step ladder.

3. Set up the testing area outside by laying down newspaper or a tarp onto the ground.

4. Begin construction on the interior of you egg protection device using your choice materials.
   Helpful hint: you want to use your insulation materials to provide padding for the egg. The more, the better!

5. Place egg inside your device and construct the exterior of your device.
   Note: you must be able to open up your device within 30 seconds, so limit how much tape you use on the outside.

6. Once completed with construction, test out your device by dropping it into the testing area. Watch and listen for any cracks, spills, etc.

7. Open your device to check the status of the egg - did it "survive" the impact without a scratch?

8. If no, try again with another egg.
   Reflect: What do you think caused the egg to break? Could you add more insulation to the inside? Could you change the exterior to slow down the fall?

9. Repeat as desired and challenge your family and friends!