



The University Libraries

Explore, Discover, Learn...

University of Memphis Libraries Egg Drop Contest April 10th

Registration Begins @ 12:30, First Drop @ 1:00

Rules and Regulations

Objective: To design an Egg Transport Vehicle (ETV) to convey uncooked eggs from the 4th floor landing of the McWherter Library to the ground (approximately 60 feet).

Team: Teams may consist of up to 5 students. At least one member must be present to drop the ETV. Interdisciplinary teams encouraged. Please email cbehles@memphis.edu with your team name and number of participants.

Apparatus: Each ETV must meet the following specifications:

Size: The ETV when in the configuration it will have when falling, must be able to fit inside a volume that is in the shape of a rectangular box with the dimensions: 25cm x 25cm x 50cm

Materials: The vehicle must be constructed entirely out of one or more of the following materials: wood, metal, cloth, rubber, paper, string, feathers, glue, and cardboard.

The following are not allowed: plastics, Styrofoam, balloons, or other synthetic packaging materials. If different paper types are used (poster board, binder paper, construction paper, etc.), each paper type will count as a different material.

Competition:

1. Each entry will be qualified permitting the requirements for size and materials mentioned above are met. Any violation will disqualify the entry. The mass of each entry will also be recorded.

2. Eggs will be supplied to the contestants at the time of the contest. Building materials and practice eggs will not be provided.
3. Contestants must be able to secure their eggs in the container within 5 minutes. *The egg must be secured onsite.*
4. The ETV, with egg, will be dropped by one of your team members from the 4th floor balcony of the McWherter Library rotunda to the marked landing zone on the ground floor.

Scoring:

1. Immediately after a drop, both the egg and the ETV will be submitted to the contest judge. Each egg will be judged as undamaged or damaged (contains visible cracks or worse). If the egg is damaged, the score for the ETV will be zero.
2. For those ETVs with undamaged eggs, a score will be assigned as follows:
SCORE = x1 + x2
X1 = 10 x (Mass of ETV in grams)
X2 = 100 x (Number of different materials used in design)
3. The best design will be judged to be the one with the lowest score.

AWARDS:

- 1st Place Winner (\$10 Einstein's card for each team member)
- 2nd Place Winner (\$5 Einstein's card for each team member)
- 3rd Place Winner (A dozen of the finest eggs)
- Humpty Dumpty Award – the device that breaks in the most spectacular fashion
- Eggelicious – Most aesthetically pleasing ETV
- Eggineer – ETV that employs most creative principles for delivery

First drop happens at 1:00 on April 10th . Registration begins at 12:30.

Contact Cody Behles (cbehles@memphis.edu) for more information.