

[MUS Lower School Engineering Competition]



1. The apparatus may be constructed of any material except metal, glass or other **shatterable** material (for safety reasons). Failure to use approved materials will result in automatic disqualification.
2. The apparatus (without the egg) shall not exceed 350.0 grams in mass. Apparatus weighing more than 350.0 grams will result in automatic disqualification. Scales will be available from science teachers in order to check the weight during the design and building process.
3. The apparatus must freefall without contacting team members, other persons or objects; no strings, chutes, etc. may be used. Tethers, parachutes and other air resistance devices are prohibited.
4. Containers must be designed so that the egg may be inserted easily before competing, and easily checked after the drop test.
5. The egg must stay inside the apparatus throughout the drop test.

Notes:

- 1) The Science Department will provide Grade A eggs.
- 2) If an egg is cracked **at all** in the drop, the entry will be disqualified.
- 3) If there are several eggs that do not crack during testing, then each apparatus will be weighed with the winner being the apparatus that weighs the least. (This shows that the person did a better design using less materials / waste.)
- 4) Teams are encouraged to sign up, but each team may have no more than **three** members.
- 5) First, second, and third place winners will be awarded Chick-Fil-A gift cards.

See your science teacher to sign up for the competition!
Must sign up by Friday, January 30, 2015.

PROJECTS DUE:
Friday, February 6, 2015