

-Egg Drop Rules and Procedures-

Teams:

Teams may consist of up to six (6) members from each respective major. Any student who is double majoring may pick one team to work with and may not switch teams.

Under-representation Clause:

If for any reason, a major is under-represented and still wishes to compete, they may recruit members from other departments to assist them in competition. Any points obtained by that team will go toward the under-represented major that all members agreed to compete for.

Conduct Clause:

If team member is being disrespectful to the event-runners, team can choose to remove him or her from the team or have whole team disqualified. If a member is lost due to this clause, a replacement cannot be brought in. Those in charge of the event will be responsible for determining what is considered disrespectful.

This clause also applies to cheating and blatant disregard to the rules.

Officiating/Judging:

The competition will be judged by the Engineering Joint Council member in charge, and the build will be supervised by EJC volunteers.

Materials:

- Egg (1 per team)
- Cotton balls
- Straws
- Balloons
- Cup
- tape

All materials will be provided by the Engineering Joint Council. Only materials provided by the Engineering Joint Council may be used.

Teams may negotiate between each other to trade materials during the build portion of the competition under the supervision of an Engineering Joint Council event runner.

Material Distribution:

Teams will initially be given their eggs after they are weighed. Then they will have 1 minute to silently look at the material handed to them. This must be done in absolute silence and hands must remain behind their backs and away from the material.

Build:

After the one minute, teams will have 20 minutes to build a protective structure that will prevent the egg from cracking when dropped from a predetermined height. Once the build is complete, the structures will be weighed again with the egg weight subtracted from the total.

Structure test:

Each team will send one person to drop the egg onto a target. One at a time, they will drop the egg. After each drop, the egg structure will be measured from the center of target.

Winners will be determined through the following order:

1st stage: No crack>Small crack>Shatter

In case multiple eggs don't crack, continue to second level. Give 2 minute rebuild with materials used already.

If they all crack, continue to 2nd stage.

2nd stage: Least distance from target

3rd stage: Less weight