

INSTRUCTIONS FOR ENGINEERING DESIGN CHALLENGE COORDINATORS

- Recruit judges!
- Divide students into teams of 5. Ideally, there should be a mix of ages, ethnicities and gender on each team.
- Pre assemble supplies for each team and a few extra sets for adults interested in competing at the event.
- Masking tape for each team can be easily measured against the length of a piece of paper (11 inches).
- Washers, pennies, flat marbles (from the Dollar Store) may be used as weights. Increase the difficulty by using a can of soda. Use only one type of material at your competition.
- Use a Dixie cup, Styrofoam bowl or a small coffee cup as the container on top.
- There are 2 versions of the design challenge – one is designed for use with an excel spreadsheet to calculate scores and the other requires the judges to manually calculate the score. Select the version you wish to use and print copies for each team, all the judges and a few extra. The Excel spreadsheet with all the formulae is attached for your use
- Print the design handouts double-sided. The Project Documentation and Scoring Sheet should be back-to-back on the same sheet of paper.
- In addition to the team supplies, each set of judges will need identical measuring devices (tape, yard stick, etc.).
- Timing is included in the instructions to judges. Please modify to fit your competition.

Thank you!