

Rocky Top Stand

Rules

1. Students in teams of 2-4 will have 45 minutes to build a structure that is big enough to stand on with both feet.
2. The structure will have to hold at least 80 pounds. Everything over 80 pounds will be an additional point.
3. The structure will have to be at least 6 inches above the ground. Every inch past 6 inches will be an additional 2 points.
4. The winner will be the team who has the most points from the highest structure that can hold the most weight. zhusein@vols.utk.edu

Materials:

1. 1 20" *30" White Foam Board 3*16" Thickness
2. Box cutters (to cut the foam board)
3. Weights (textbooks, people, physical weights)
4. Scale to measure the weight
5. Tape measurer

Judging

1. After 45 minutes the judging will begin.
2. When judging, a supervisor (teacher or adult) must measure the height of the structure to make sure it is at least 6 inches off the ground.
3. Students must initially place 80 pounds on the structure. After the structure holds 80 pounds, students can start to add more weight to it.
4. Keep placing weight until the structure collapses.

Additional Notes

1. Students should be receiving only one foam board per group, we stress that they should test out their design before the actual competition.
2. The key to this challenge will be to try and get the correct ratio of height and weight.
3. This event will be virtual so try and keep it honest and fair