



## The Straw Challenge

Name: \_\_\_\_\_ Level: I or II (circle one) School: \_\_\_\_\_

### Specifications

1. \_\_\_\_\_ Each team will consist of no more than two members.
2. \_\_\_\_\_ No materials, other than what is given, may be used for the cantilever. The materials that will be given are scissors, 24 inches of masking tape, and an 24 straws.
3. \_\_\_\_\_ The Cantilevers must be self-supporting or they will be disqualified.
4. \_\_\_\_\_ The Cantilever must not sag lower than 6 inches from the surface of the table.
5. \_\_\_\_\_ The back most edge of the cantilever must not be further than 8 inches in from the edge of the table. The tables will be marked with this distance.
6. \_\_\_\_\_ No more than 6 pieces of tape 2" long may be used to attached the structure to the table. The anchor tape is part of the 24 inches of masking tape
7. \_\_\_\_\_ Teams may only enter the event once.

### Contest

1. Each team will be given a bag containing the allowed materials for the cantilever.
2. Once all the bags have been distributed, each team will have 20 minutes to construct their cantilever.
3. After 20 minutes, all remaining materials will be collected. Judges will measure the length of each cantilever and will disqualify those that do not meet the requirements.

#### • Judging:

The team with the longest cantilever that **does not sag lower than 6 inches** from the surface of the table and meets the above rules will be declared the wins.

\_\_\_\_\_ *Cantilever Length = 1 point per inch.*

*Any rules violations or any sag of more than 6" will result in disqualification*

**In case of a tie**, pennies one at a time will be loaded on the end of the cantilever, and when one sags below the 6" limit, the other will be declared the winner if equal pennies have been added.

**Entrance Ranking:** \_\_\_\_\_



If there are any questions, please send email to [smcnaught@cassville.k12.mo.us](mailto:smcnaught@cassville.k12.mo.us)