

BRIDGE BUILDING

Description: Construct the bridge that spans a set distance, while holding the greatest load in its center.

Number of Participants: 2

Competition:

1. Each team will receive 50 plastic straws and 10 straight pins.
2. Each team will construct a bridge using only the straws and pins.
3. Pins cannot be used to fasten or anchor the bridge to the table in any way.
4. The bridge will be placed so it spans the distance of 18" between two tables. A plastic cross piece will be placed in the middle of the bridge perpendicular to the long axis of the bridge.
5. The crosspiece will be a plastic ruler with an eyebolt hanging below it. A medium sized coffee can will be hung from the eyebolt.
6. Sand will be poured into the coffee can until the bridge topples, folds and or collapses.
7. The amount of sand in the can when the bridge collapses is the score for that bridge.

Scoring:

1. The amount holding the most sand wins.