

Straw Bridge I

Judge: Preparation:

Have a 6' folding ruler
And two chairs

Provide the following materials on a table for the team members.

- Scissors
- 2 1" squares of clay
- 4 36" Pieces of Study String
- 10 Spaghetti
- 25 Straws

Provide a copy of the problem instructions on the table for the team members.

Judge Instructions:

(Judge: When team members enter the room, tell them)

This is a hands-on problem. You have 1 minute to select the five team members who will compete. The others must sit in these seats and watch or be escorted from the room. They may not assist in solving the problem and may not talk.

(Judge: After 5 Team Members Chosen and seated, Read all the instructions, repeat, then Start the Time)

Your challenge is to construct as long a bridge as possible between the two chairs backs

- The structure must rest, one end on each chair, not touching anything else

Construction (6 minutes)

- You will have 6 minutes to construct the Structure
- You will be given warnings when 2 minutes, and 1 minute remain.
- You may stop early and inform the Judges that you are done

At the end of the time, the Judges will measure the distance of the structure spans between the chairs

Scoring:

- 1-20 points for teamwork
- 1 point for each ½ inch of the structure between the chairs

You may ask questions at any time, time continues

(Judge: Repeat all the instructions, then Start the Time)

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Team Copy

Your challenge is to construct as long a bridge as possible between the two chairs backs

- The structure must rest, one end on each chair, not touching anything else

Construction (6 minutes)

- You will have 6 minutes to construct the Structure
- You will be given warnings when 2 minutes, and 1 minute remain.
- You may stop early and inform the Judges that you are done

At the end of the time, the Judges will measure the distance of the structure spans between the chairs

Scoring:

- 1-20 points for teamwork
- 1 point for each $\frac{1}{2}$ inch of the structure between the chairs

You may ask questions at any time, time continues