

Paper Crane

Judge: Preparation:

Have a 6' folding ruler

And two chairs with spindle or ladder backs

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

- 10 Paper Clips
- 2 Rubber Bands
- 2 Sticky Labels
- 2 Pair Scissors
- 20 Sheets 8 ½ x 11 Paper
- 1 Tennis ball
- 6 foot Piece of String

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 a "Crain"

- A structure that extends out from the edge of the table
- And up from the surface of the table

Construction (6 minutes)

- You will have 6 minutes to construct the Structure, and if you wish, test 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 Construction, the Judges will measure the distance the structure extends out from the table and above the table

Scoring:

- 1-20 points for teamwork
- 1 point for each inch the structure extends beyond the edge of the table (x)
- 1 point for each inch the structure extends above the table
- plus $x*y/10$

You may ask questions at any time, time continues

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

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Team Copy

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