

Three Towers in the Sky

Judge: Preparation:

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

- Two 1 "x 2 5/8" address labels
- Two paperclips
- Two rubber bands
- A 1" square of clay
- 10 Spaghetti
- Three straws
- One foam cup
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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 challenge. 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 Problem is "Three Towers in the Sky". Your goal is to build three Towers that reach high into the sky. You may use any or all of the materials provided on the table.

Tower requirements:

- Each Tower must rest on top of the table and not be supported by anything but the table
- The Towers must be independent of each other. If two or more Towers touch the touching Towers will be considered a single Tower
- Only one Tower will be considered in each area marked off by the masking tape on the table

Construction (6 minutes)

- You will have 6 minutes to construct the Towers
- You will be given warnings when 2 minutes, 1 minute, and 30 seconds remain
- You may stop early and inform the Judges that you are done

Scoring

- Scoring begins after the 6 minutes are done or when you say you are done
- You will be given 1 point for each inch the 1st (shortest) Tower is above the table
- You will be given 2 points for each inch the 2nd (or next shortest) Tower is above the table
- You will be given 3 points for each inch the 3rd Tower is above the table
- You will receive from 1 to 20 points for teamwork
- (Judges?: Note: if only 1 Tower it will be the 1st, if only 2 Towers they will be 1st and 2nd)

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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Tower requirements:

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Construction (6 minutes)

- You will have 6 minutes to construct the Towers
- You will be given warnings when 2 minutes, 1 minute, and 30 seconds remain
- You may stop early and inform the Judges that you are done

Scoring

- Scoring begins after the 6 minutes are done or when you say you are done
- You will be given 1 point for each inch the shortest Tower is above the table
- You will be given 2 points for each inch the second Tower is above the table
- You will be given 3 points for each inch the third Tower is above the table
- If you have only one or two Towers, they will be Tower 1 or Tower 1 and 2
- You will receive from 1 to 20 points for teamwork

You may ask questions at any time, time continues