

Lost Art and Science

Judge: Preparation:

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

- About 1 gallon pebbles/stones averaging about 1" across
- A standard brick.

Provide a ruler for the judging team and 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)

Before Duct Tape and powerful glues named after ferocious animals, the farmers of New England built sturdy stone walls and fences. Almost a lost art, your job is to construct a strong stone wall.

Stone Wall

- You will construct a stone wall completely from the stones before you.

Construction (8 minutes)

- You will have 8 minutes to construct the Mountain
- 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

- You will receive points for the minimum height and width of the wall as follows:
 - Judges will measure the minimum height of the wall, starting two inches in from each end of the wall to the nearest $\frac{1}{4}$ th inch. (the two inches on each end of the wall can taper off and will not be part of the measurement)
 - Then Judges will measure the length of the wall.
 - Score will be the Width in $\frac{1}{4}$ inches times the length in inches
- After the measurement the judges will ask a team member to place or drop the brick on top of the wall, without touching the stones:
 - Judges will measure the shortest distance from the table to the brick to the nearest $\frac{1}{4}$ inch.
 - Score will be 5 points for each $\frac{1}{4}$ inch.
- You will receive from 1 to 20 points for teamwork

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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