

Destination ImagiNation®
Instant Challenge
Entry and Advanced Levels
STRETCH

Challenge: Your **TASK** is to build a structure between two blocks that will stretch as far as possible.

Time: You will have up to 5 minutes to use your IMAGINATION to build and test your structure, and then up to 2 minutes to stretch your structure as far as possible.

Set-up: In the middle of the room are two wooden blocks. Each of the blocks is standing within a taped square and has a peg attached to it. In addition, there is a table with materials.

Procedure:

•**Part One** (5 minutes): Build a structure that connects the 2 blocks. **Your structure may only touch the pegs attached to each block.** You will want to design your structure so that it will stretch when the 2 blocks are moved apart. You may practice moving the blocks apart in Part One. However, at the end of Part One, you must have the blocks back within the 2 taped squares. **You will be warned when you have one minute remaining and 30 seconds remaining at the end of Part One.**

•**Part Two** (2 minutes): Move the blocks apart to stretch the structure. When stretching the structure, you may only touch the blocks. You must slide the blocks apart and the blocks must remain standing. Time will end after 2 minutes or when one of the following happens: Your structure stops spanning the gap between the 2 pegs or your structure touches the floor. If you did not have the 2 blocks in their taped squares with a structure connecting the blocks at the end of Part One, you may continue working on your structure in Part Two. However, you will NOT be able to begin stretching your structure until that condition is met. At the end of Part Two, the Appraisers will measure the distance between the 2 blocks.

Materials:

1 Sheet of Paper 6 Paper Clips 5 Index Cards 2 Rubber Bands
3 Mailing Labels 6 in (15 cm) of String 6 Straws 4 Chenille Sticks (Pipe Cleaners)

The mailing labels may NOT be attached to the pegs. You will have a yardstick (meterstick) to use, but this may NOT be part of your structure.

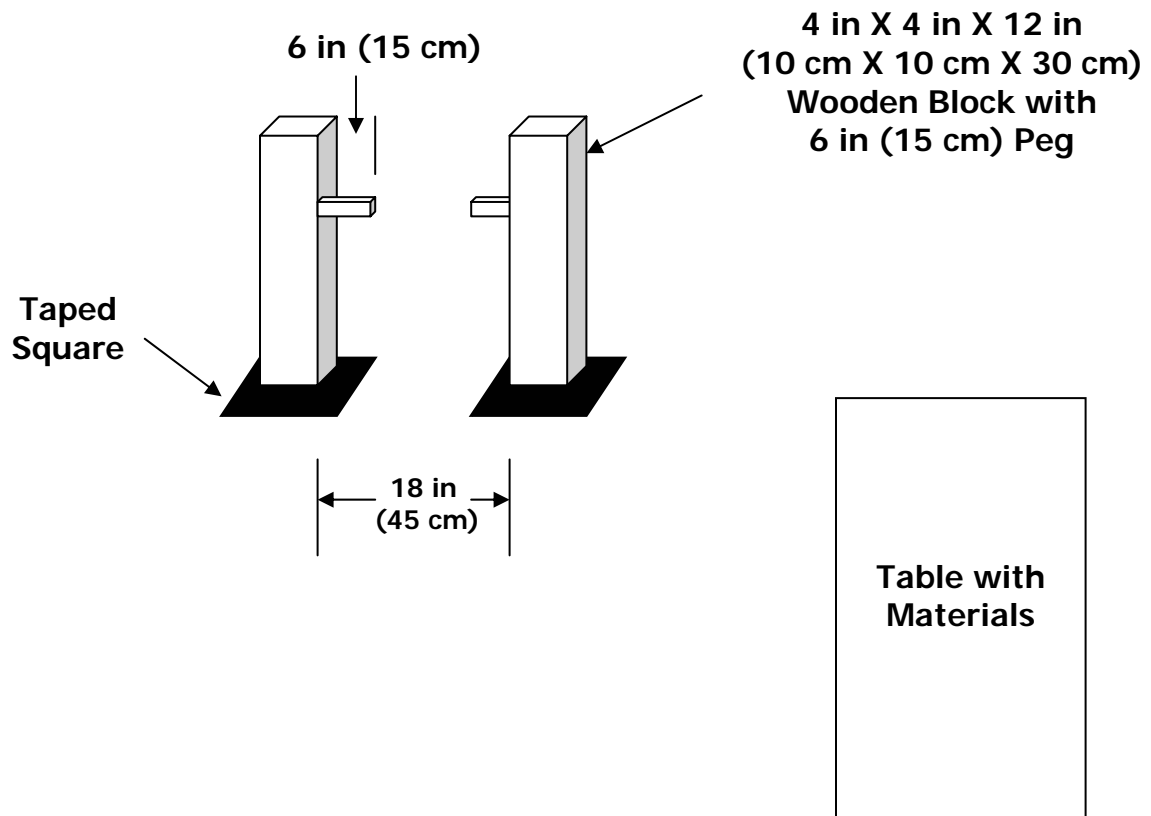
Scoring: You will receive

- A. 20 points if you have a structure connecting the 2 blocks at the end of Part One.
- B. 2 points (40 points maximum) for each inch (2.5 cm) that your structure stretches in Part Two.
- C. Up to 20 points for how creatively you use the materials.
- D. Up to 20 points for how well your team works together.

Stretch

For Appraisers Only:

1. The set-up consists of two 4 in X 4 in X 12 in (10 cm X 10 cm X 30 cm) wooden blocks separated by 18 inches (45 cm). There is a 6 in (15 cm) peg attached to each block 3 in (7.5 cm) from the top. The pegs may be round or have flat edges. Each of the blocks sits in a taped square. Each block should just fit inside the taped square. Next to the blocks is a table with materials.



2. Be sure to warn the team when there is 1 minute remaining and 30 seconds remaining in Part One.

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Part One (5 minutes):

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- **Your structure may only touch the pegs attached to each block.**
- You will want to design your structure so that it will stretch when the 2 blocks are moved apart.
- You may practice moving the blocks apart in Part One. However, at the end of Part One, you must have the blocks back within the 2 taped squares.
- **You will be warned when you have one minute remaining and 30 seconds remaining at the end of Part One.**

Part Two (2 minutes):

- Move the blocks apart to stretch the structure.
- When stretching the structure, you may only touch the blocks. You must slide the blocks apart and the blocks must remain standing.
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- If you did not have the 2 blocks in their taped squares with a structure connecting the blocks at the end of Part One, you may continue working on your structure in Part Two. However, you will NOT be able to begin stretching your structure until that condition is met.
- At the end of Part Two, the Appraisers will measure the distance between the 2 blocks.

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- D. Up to 20 points for how well your team works together.

STRETCH

Materials:

(Tape to Table)

- 1 Sheet of Paper
- 6 Paper Clips
- 5 Index Cards
- 2 Rubber Bands
- 3 Mailing Labels
- 6 in (15 cm) of String
- 6 Straws
- 4 Chenille Sticks (Pipe Cleaners)

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