

APPRAISER COPY

Destination ImagiNation®
Instant Challenge
2006 Affiliate Competition – Advanced Level Version
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

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.

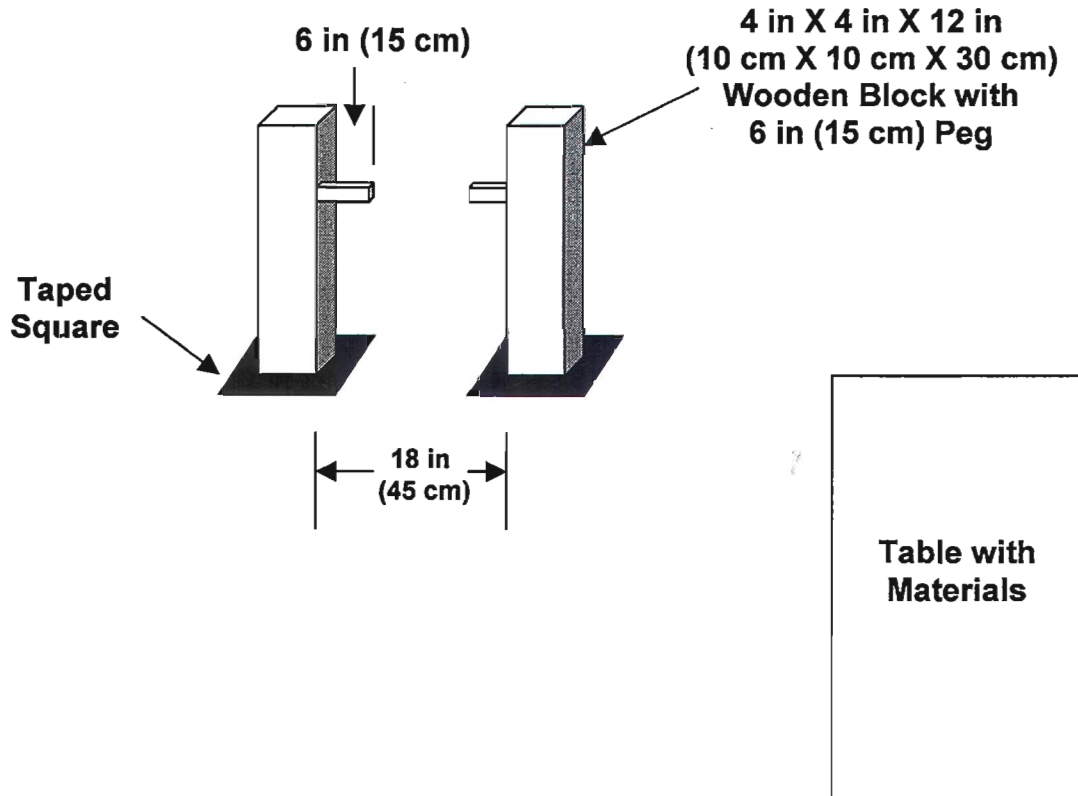
Scoring: You will receive

- A. 20 points if you have a structure connecting the 2 blocks at the end of Part One.
- B. 1 point (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.

Following the Tournament, all copies of this Challenge must be collected and destroyed.

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.

TEAM COPY

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STRETCH

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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.

Scoring: You will receive

- A. 20 points if you have a structure connecting the 2 blocks at the end of Part One.
- B. 1 point (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.

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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

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.

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APPRAISER RUBRICS

RUBRIC FOR APPRAISING CREATIVITY OF MATERIAL USE

Points	1 – 5	6 – 10	11 – 15	16 – 20
Qualities	<ul style="list-style-type: none"> Some of the materials are used in common ways 	<ul style="list-style-type: none"> Almost all materials are used, but few in unusual ways. 	<ul style="list-style-type: none"> Almost all materials are used, several in unusual ways 	<ul style="list-style-type: none"> Most materials are used in unusual ways

RUBRIC FOR APPRAISING TEAMWORK

Points	1 – 5	6 – 10	11 – 15	16 – 20
Qualities	<ul style="list-style-type: none"> Dominating individual who limits participation of others Cooperation is minimal Little sharing of ideas 	<ul style="list-style-type: none"> Some evidence of individual team member roles Some cooperation Some evidence of accepting ideas of others 	<ul style="list-style-type: none"> Acceptance of team roles above average Good cooperation Sharing and acceptance of ideas of others 	<ul style="list-style-type: none"> Leadership and team roles are easily identified Diversity of skills mutually respected and evident Team dynamics are exemplary

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Destination ImagiNation®

Team Name: _____ Level: E M S U

Membership Number: _____ Team Challenge: _____

Appraiser's Name: _____

STRETCH

INSTANT CHALLENGE INDIVIDUAL SCORE SHEET

Score Element	Range	Team Score
A. Structure connecting 2 blocks at the end of Part One	0 or 20	
B. _____ # of inches (2.5 cm) that structure is stretched in Part Two	_____ X 1 (40 Points Maximum)	
C. Creativity of material use	1 – 20	
D. Teamwork	1 – 20	
Total		

Note: Team score elements should be recorded in whole numbers. (No fractions or decimals.)

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Team Name: _____ Level: E M S U

Membership Number: _____ Team Challenge: _____

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INSTANT CHALLENGE MASTER SCORE SHEET

Appraiser's Name	Total Score
1.	
2.	
3.	
4.	
Add 1 + 2 + 3 + 4	E.
Divide E by # of Appraisers	F.

NOTE: The division in the final step should be carried out to 3 decimal places.

INSTANT CHALLENGE SCORE

G.

NOTE: Rewrite the final score in the box above. The final score should be rounded to 2 decimal points. Round up if the third decimal is 5 or more.