

Destination ImagiNation®
Instant Challenge
2005 Affiliate Competition – Entry Level
TOWER-A-FLOAT

Challenge: Your **TASK** is to build a tower that is as high as possible and floats on a platform.

Time: You will have up to 5 minutes to use your **IMAGINATION** to design and build your tower.

Set-up: In the center of the room is a tub of water. Floating on top of the water is a platform. There is also a table with materials you may use to build your tower.

Procedure: (5 minutes) Use the materials on the table to build a tower that is as high as possible on a floating platform. The structure may only touch the top of the platform and may **NOT** be attached to the platform. You may build the structure wherever you want, but it must be on top of the floating platform when time ends. The platform may **NOT** be removed from the tub. You will be warned when you have 1 minute remaining and 30 seconds remaining. **You may call, "Time," and be scored whenever you want.** When time ends, no team member may be touching the structure. The Appraisers will wait 15 seconds before measuring the height of the tower.

Materials:

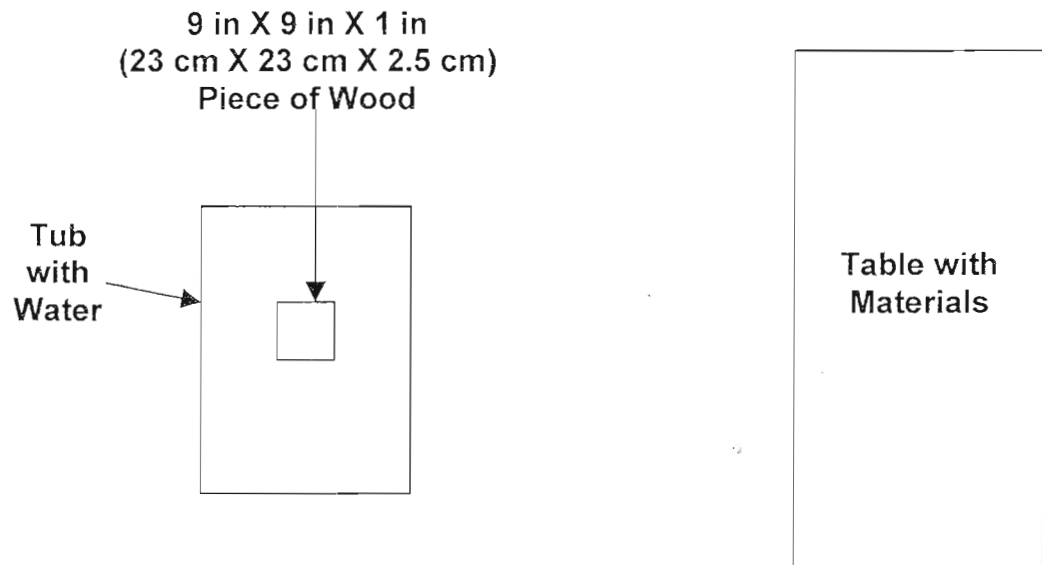
2 Pencils	3 Straws	3 Mailing Labels	1 Index Card
3 Clothespins	3 Paper Clips	4 Toothpicks	2 Rubber Bands
2 Chenille Sticks (Pipe Cleaners)	2 Plastic Forks		

Scoring: You will receive

- A. 20 points if you have a tower that is on the floating platform when time ends.
- B. 1 point (40 points maximum) for each inch (2.5 cm) in height of your tower.
- C. Up to 20 points for how creatively you use the materials.
- D. Up to 20 points for how well your team works together.

For Appraisers Only:

1. The set-up consists of a 3 ft X 4 ft X 12 in (90 cm X 120 cm X 30 cm) tub in the center of the room. The tub is filled with water up to about 4 inches (10 cm) below the top edge. Floating in the water is a 9 in X 9 in X 1 in (23 cm X 23 cm X 2.5 cm) piece of wood. There is also a table with materials.



2. Towels and a mop will be needed to keep the floor dry.
3. The team should be warned when they have one minute remaining and when they have 30 seconds remaining .
4. A tub of different dimensions may be used as long as the tub contains at least 8 in (20 cm) of water.

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- The structure may only touch the top of the platform and may NOT be attached to the platform.
- You may build the structure wherever you want, but it must be on top of the floating platform when time ends.
- The platform may NOT be removed from the tub.
- You will be warned when you have 1 minute remaining and 30 seconds remaining.
- **You may call, "Time," and be scored whenever you want.**
- When time ends, no team member may be touching the structure.
- The Appraisers will wait 15 seconds before measuring the height of the tower.

Scoring: You will receive

- A. 20 points if you have a tower that is on the floating platform when time ends.
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TOWER-A-FLOAT

Materials:

(Tape to Table)

2 Pencils

3 Straws

3 Mailing Labels

1 Index Card

3 Clothespins

3 Paper Clips

4 Toothpicks

2 Rubber Bands

2 Chenille Sticks (Pipe Cleaners)

2 Plastic Forks

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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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Team Name: _____ Level: E M S U

Passport Number: _____ Team Challenge: _____

Appraiser's Name: _____

TOWER-A-FLOAT

INSTANT CHALLENGE INDIVIDUAL SCORE SHEET

Score Element	Range	Team Score
A. Tower on platform when time ends	0 or 20	
B. _____ # of inches (2.5 cm) in height of tower	_____ 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

Passport 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.