

Not Quite **Destination ImagiNation®**

## ***Instant Challenge***

2004 IC PlayDay - Entry/Advanced Level

# **STACK IT**

**Challenge:** Your **TASK** is to build two structures that will stack one on top of the other.

**Time:** You will have up to 5 minutes to use your **IMAGINATION** to build your structure, and up to 30 seconds to stack them one on top of the other.

**Set-up:** On a table there are areas designated Structure One, Structure Two, and Stacked Structure. There are also materials in two of those areas for you to build your structures with.

### **Procedure:**

•Part One (5 minutes): Plan and build your structures. Be sure to consider how they will stack. Only the materials in the Structure One area may be used for that structure, same for Structure Two. At the end of Part One you must have a structure in both areas One and Two to continue to Part Two. Structures One and Two will be measured for height at the end of Part One.

•Part Two (30 seconds): Stack your structures in the Stacked Structure area. During Part Two no additional materials may be added to or removed from your structures, pieces will be allowed to fall off but may not be replaced if they do. Only Structure One is allowed to touch the table top in the Stacked Structure. Your Stacked Structure will be measured for height at the end of Part Two.

### **Materials:**

Structure One  
2 Mailing Labels  
10 Index Cards

Structure Two  
15 Pieces Spaghetti  
10 Marshmallows

**Scoring:** You will receive

- A. 1 point (30 points maximum) for each inch in height of Structures One and Two combined.
- B. 10 points for a successfully stacked structure at the end of Part Two.
- C. 2 points (40 points maximum) for each inch in height of Stacked Structure.
- D. Up to 20 points for how well your team works together.

## **For Appraisers only:**

1. FOR ADVANCED TEAMS ONLY switch the materials for the two structures.
2. Tape/Mark three 12" squares on a table and label them Structure One, Structure Two, and Stacked Structure. Place the materials for use in Structures One and Two in their respective squares.

# STACK IT

TEAM COPY

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Part One (5 minutes):

- Plan and build your structures. Be sure to consider how they will stack.
- Only the materials in the Structure One area may be used for that structure, same for Structure Two.
- At the end of Part One you must have a structure in both areas One and Two to continue to Part Two.
- Structures One and Two will be measured for height at the end of Part One.

Part Two (30 seconds):

- Stack your structures in the Stacked Structure area.
- During Part Two no additional materials may be added to or removed from your structures, pieces will be allowed to fall off but may not be replaced if they do.
- Only Structure One is allowed to touch the table top in the Stacked Structure
- Your Stacked Structure will be measured for height at the end of Part Two.

**Scoring:** You will receive

- A. 1 point (30 points maximum) for each inch in height of Structures One and Two combined.
- B. 10 points for a successfully stacked structure at the end of Part Two.
- C. 2 points (40 points maximum) for each inch in height of Stacked Structure.
- D. Up to 20 points for how well your team works together.

STACK IT  
**Materials:**

(Tape to Table)

Structure One

2 Mailing Labels  
10 Index Cards

Structure Two

15 Pieces Spaghetti  
10 Marshmallows