

# RUBE GOLDBERG

## MACHINE CONTEST®

### JUDGING FORM - COLLEGE/HIGH SCHOOL

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TEAM NAME: \_\_\_\_\_

#### 100 Points

Judging will be based on a one hundred (100) point scale broken down into the following categories:

#### ■ GENERAL IMPRESSIONS (45 POINTS)

\_\_\_\_\_ *Step List (0 to 5 points)*  
How clear, concise, and creative is the written explanation of the machine?

\_\_\_\_\_ *Theme or Story (0 to 10 points)*  
How well is a recognizable theme or story integrated into the machine?

\_\_\_\_\_ *Laugh Barometer (0 to 10 points)*  
Similar to Rube Goldberg's cartoons, how funny is the machine?

\_\_\_\_\_ *Complexity (0 to 10 points)*  
How well does the machine complete the task in a manner more complex than necessary?

\_\_\_\_\_ *Team Chemistry (0 to 5 points)*  
How well does the team communicate and work together?

\_\_\_\_\_ *Everyday Items (0 to 5 points)*  
How well does the machine use recognizable everyday items in a creative, unique, funny way?

SUBTOTAL GENERAL IMPRESSIONS

#### ■ RUN RELATED (55 POINTS)

\_\_\_\_\_ *Verbal Presentation (0 to 5 points)*  
How clear, concise, creative, and charismatic is the verbal presentation of the machine?

Time (up to 2 minutes: no penalty; 2:00 – 2:15 minutes: -5 points; over 2:15 minutes: -10 points)

\_\_\_\_\_ *Rube Goldberg Style Steps (0 to 10 points)*  
How well are steps designed to use everyday items in creative, unique, and unusual ways? How much variety in mechanisms, energy forms, materials, and physical principles exists in the steps?

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### JUDGING FORM - COLLEGE/HIGH SCHOOL *continued*

\_\_\_\_\_ *Machine Flow* (0 to 10 points)  
 How easy is it to see and follow the sequence from the first through the last step?

*Run 1, 2, 3*

	<i>Run 1</i>	<i>Run 2</i>	<i>Run 3</i>
Task Completed (0 or 15 points)			
Time (up to 2 min: no penalty; 2 – 2:15 min: -5 points; 2:15 – 2:30 min: -10 points; over 2:30 min: -15 points)			
Human Interventions (-5 points each)			
Objects leaving machine (-5 points each)			
Void?			
<i>Total</i>			

SUBTOTAL RUN RELATED

**TOTAL POINTS (0 to 100 points, SUBTOTAL GENERAL IMPRESSIONS + SUBTOTAL RUN RELATED)**

**FOR TEAM NAME:** \_\_\_\_\_

Teams may only void their first or second run before the task is complete. Teams may not void a run after the machine has completed the task. If a team does not void either of their first two runs, they may choose to do a third run, but that run will not be judged. A void must be communicated by one designated team member before the task is complete.