**“Rube Goldberg” Competition**

**2019 Rules and Regulations**

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March 2nd, 2019

J.B. Speed School of Engineering

Room: TBD

Elementary School Division: K - 5th

Middle School Division: 6th - 8th

High School Division: 9th - 12th

**Contact Information:**

Marty Brown

Engineering Exposition Coordinator

Executive Vice President of SSSC

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**TO PARTICIPATE IN THE RUBE GOLDBERG MACHINE CONTEST:**

1. Start a team (or participate individually)
2. Register for the Rube Goldberg competition beginning on December10th , 2018
	* Go to [engineering-expo.com](https://www.engineering-expo.com/)
	* Click on ‘Register’
	* Complete the form to reserve a spot for E-Expo
3. Design and build a machine
	* 201 task: **Make a “Farris Wheel” turn**
		1. Note: Any sort of wheel will work i.e. pinwheel, toy bike wheel etc.
4. Compete!
	* E-Expo will be will held on **March 2, 2019 at the J.B. Speed School of Engineering**
	* Teams/individuals will be notified of their assigned judging time closer to the event

**COMPETITION RULES**

|  |  |
| --- | --- |
| **Specification** | **Value** |
| Objective | Spin your “Farris Wheel” 1 full revolution, although more is allowed. |
| Group size | 1-5 students (in same age group) |
| Minimum number of steps | 5 |
| Maximum machine volume | 3’ x 3’ x 3’ |
| Number of runs for judging | Up to 3 (2 required) |
| Maximum time for judging (students must be present during judging) | 10 min |

**JUDGING CRITERIA**

All judging will be completed during the competition on March 2nd, 2019. Presentation of awards will be given after the keynote speech to top students in each division. Students must be present to win their award.

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**Rube Goldberg Judging Form**

**Group/Individual Student Name:**

**Group: Elementary Middle High**

Judge Use Only

**Successfulness**

 **1 5 10 \_\_\_\_\_**

**Creativity**

 **1 2 3 4 5 6 7 8 9 10 \_\_\_\_\_**

**Difficulty**

 **1 2 3 4 5 6 7 8 9 10 \_\_\_\_\_**

**Appearance**

 **1 2 3 4 5 6 7 8 9 10 \_\_\_\_\_**

**Presentation/Discussion**

 **1 2 3 4 5 6 7 8 9 10 \_\_\_\_\_**

**Bonus (Judge's Discretion) \_\_\_\_\_**

**Total \_\_\_\_\_**