

# STEM WARS 2019

## RUBE GOLDBERG MACHINE DESIGN CONTEST

Team Members (PRINT NEATLY)	School
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____

- Students will work in teams of up to 6 students – you do not have to be from the same school
- Students will be given a work station and a bag of junk, I mean, supplies
- Students will create a machine designed to perform a specific task, which will be revealed at the event
- The first “shift” will build a machine to perform one task, while the second “shift” will be given a different task to perform
- The machine must be made up of various sub-systems designed and built using only the supplies given
- A minimum of 5 sub-systems is required
- Students must state, in writing, what task(s) the machine is designed perform and turn in to the judges prior to demonstrating their machine
- Students will demonstrate their design before a judge once their machine is complete
- Each team will be allowed a maximum of 50 minutes to design and build their machines
- Additional (replacement) supplies will not be given
- Machines will be judged on: design/creativity, use of materials, number of sub-systems, and functionality

State the task you assigned to your group below:

---