

Rube Goldberg Machine Competition

Tuesday, February 27th 5:30pm

Open to all K-12 students in Green Country

Machine Goals

Create a machine that is able to raise an 8 1/2 " x 11" banner that depicts *Action Toward Change*.

Participation

Up to 20 teams will be allowed to compete in the competition.

Requirements for participation:

A sketch of proposed Rube Goldberg machine must be submitted to info@tulsaSTEM.org by **5:00 PM on Tuesday, February 13**. Teams selected for build will be notified by Thursday, February 15 at 5:00 pm.

Machines must be in place at the venue ready for exhibition one hour prior to beginning of event.

A sponsor and up to 3 students/ team must attend community report event to demonstrate Rube Goldberg machine to report attendees.

Rube Goldberg team will remove machine and clean adjacent exhibit space after participants enter community report event.

Supplies

Teams selected for the competition will be provided with a \$50 stipend to cover cost of materials.

Constraints

Rube Goldberg machine must:

Not involve use of glitter, paint, fire, or anything that will harm animals or ImpactTulsa report attendees.

Explicitly demonstrate use of 3 of the following:

1. Lever
2. Wheel and axle
3. Pulley
4. Inclined plane
5. Wedge
6. Screw

Display the ImpactTulsa logo.

Fit on a 30"x40" foam core board.

Prizes

All teams selected to participate will receive commemorative t-shirts. Attendees will vote on their fan favorite of the Rube Goldberg machines.

Creators of the top three Rube Goldberg machines will win a popcorn party for their class and a Rustic Cuff gift certificate for their teacher!