



Regency Park Elementary School
Monday, June 1, 2015
8:30am -12:45pm

Regency Park Elementary Invites You To Our
STEM Design Challenge

2015 Challenge

Teams of 3 fifth grade students are challenged to design and create a Rube Goldberg Machine that performs a task such as (but not limited to) the following:

- **Water a plant**
- **Catch a “mouse”**
- **Zip a zipper**

All Rube Goldberg Machine materials **MUST** be provided by student groups. ***Only TAPE and GLUE will be provided in the challenge.*** Blueprint designs need to be created before the day of the challenge.

Entry:

To be chosen for the STEM Challenge, a 30 second persuasive video needs to be submitted as your entry. Teams of 3 must submit a video in order to participate in the challenge. If you have questions about video submission or the challenge itself, please see your STEM teacher or gifted coordinator.

Criteria for Video Submission:

- Due by Thursday May 7, 2015 (NO LATE submissions will be accepted)
- 30 second maximum

Within your video, it should state the following items:

- Names of each group member, homeroom teacher, and school
- What task will your Rube Goldberg Machine complete?
- Share videos via Google Drive with Mrs. Heffron at heffront@pbsd.k12.pa.us

Judging Criteria for STEM Challenge:

- ❖ Creativity
- ❖ Teamwork
- ❖ Challenge Success
- ❖ Design
- ❖ Presentation

Proposed Schedule: (PLEASE NOTE TIMES MAY CHANGE DUE TO NUMBER OF PARTICIPANTS)

8:30-8:45	Arrive at Regency Park School (parents drop off students at the back of the school)
8:45-9:00	Overview of activities
9:00-11:10	Review Blue Print and construct Rube Goldberg Machine.
11:10-11:30	Write narrative for presentation
11:30-12:00	Judging
12:00-12:30	Lunch (students will need to provide their own lunches)
12:30-12:45	Clean up and dismissal