

Rube Goldberg Project

Dear Parents and Student,

The Clayton 8th Grade MELP Program is proud to announce that the 1st quarter project is for the students to create a Rube Goldberg machine. A Rube Goldberg machine is any complex apparatus that performs a very simple task in an indirect and convoluted way. For example, opening the gate on the movie "The Goonies." This project will combine the students' knowledge of simple machines and their ability to use or overcome gravity to accomplish a simple task.

Requirements:

1. The student's project must include a minimum of 8 steps.
2. Three different simple machines must be used.
3. The final step must accomplish one of the following tasks:
 - a. Ring a bell
 - b. Break a pencil
 - c. Roll a pair of dice
 - d. Fill a cup with water
 - e. Pop a balloon
4. Extra credit will be given for extra steps as well as accomplishing multiple finishing tasks from the list.
5. Students may work alone or with **one** other student from any of Mr. Young's classes.

Due Date:

Completed projects may be brought in to school any time before the due date. If you choose to bring it in, the project may be no larger than 3'x3'x'3 due to space restrictions.

Most projects are turned in as a VHS, DVD or computer file. If the project is filmed, it may be any size, but please keep the length of the video to less than 4 minutes. Finally, please label the Rube Goldberg project with your name and period.

If you have questions or need assistance, please feel free to contact me, your child's science teacher.

Thank you, be safe and have fun.

Student Name: _____

Student Signature: _____

Parent or Guardian Signature: _____