

# RUBE GOLDBERG PROJECT

## TO COMPLICATE THINGS...



Rube Goldberg was a cartoonist famous for drawing elaborate, complicated machines that accomplished simple tasks. His work was so unique and well liked that his name is used to describe all machines that are similar to the ones he drew. There are even contests to see who can design and build the most elaborate Rube Goldberg machines. A good Rube Goldberg machine uses many complex steps to complete a task that would normally take only one or two steps. For instance, a machine designed to turn on a light switch might involve rolling bowling balls, burning candles, jumping frogs, popping rubber bands, and spilling water. The more complicated Rube Goldberg machines are, the better! Check out <http://www.rubegoldberg.com/> for more information!

## YOUR TASK...

Create your own Rube Goldberg machine that performs a simple action. Be creative in your choice of steps and materials. Your machine must include at least eight steps to accomplish its task. Use as many simple and compound machines as you can in your Rube Goldberg machine.

## RULES...

1. You may work with a partner or by yourself to create a Rube Goldberg project due Thursday February 24th. If you choose to have a partner, choose wisely! You do not want to get stuck doing all the work or having an incomplete project. Your final product must be presented.
2. Your Rube Goldberg machine must complete a common everyday task in an unordinary way. Be creative! Your Rube Goldberg machine must perform its task in no less than 8 steps.
3. Your Rube Goldberg machine must include at least 4 different types of simple machines.
4. You must include a picture of your machine.
5. You must include a description of your machine including details about all steps modeled after Rube Goldberg. For each step, you should tell what is happening using correct vocabulary (i.e. force, type of machine, friction, gravity, Newton's Laws, etc.).