

Rube Goldberg Machine Drawings

Physical Science and Technology

This is an individual assignment; each of you should turn in two documents: one hand-drawn schematic sketch of an RGM, and one A+CAD drawing showing your schematic sketch, a floor plan of your RGM, and a typed description of how your RGM will work.

1. Make a schematic sketch of a Rube Goldberg Machine. The sketch should be one that you would be interested in building, and it should accomplish a task that you think would be fun and appropriate. Remember, your sketch should show 5 simple machines, at least three of them different. For each simple machine, include a label that explains what the machine does and how it is triggered; also include a description of how your overall Rube Goldberg Machine will work. This is an individual assignment – when done, please have an instructor initial your drawings.
2. Using A+CAD, recreate your schematic sketch. Below it, in a 16" x 18" rectangular template, draw a top-view (floor plan) of your RGM showing how all of the machines will be arranged. You do not need to make accurate drawings of your machines; you can simply show the size and location of each machine with a box or an outline. Below your floor plan, type a description of what each machine will do, how it will be triggered, and what the overall goal of your RGM will be. This is an individual assignment. When you are done, have an instructor check your work, then print it out and turn it in.

This assignment is due Wednesday, 2/16, at the end of the period.