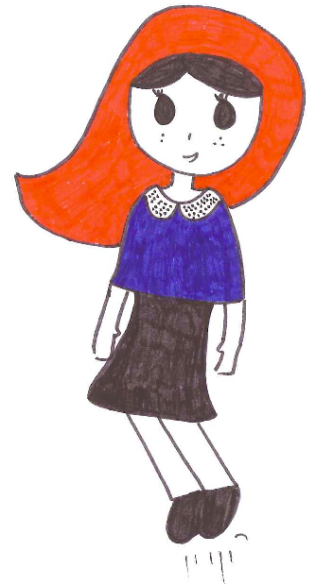



Level 3: Physics



1. Open your Level 2 Physics Activity.
2. Before you change anything, save it to your journal as “Level 3 Physics Activity”
3. In Level 3, you will be building the “body” of your Goldberg Machine. To start this process, do the following:

- a.  Figure out which way the Motor tool spins and figure out what direction the shapes need to go: Clock-wise or Counter-Clockwise?
 - i. See what kinds of ways you can use the motor on different kinds of shapes and different areas on the shapes.
- b. Move your scale to the area of the screen that you would like to drop the balls. Based on where you put it will change how you build your machine to move the balls away from the scale and back again.
- c. Decide what tools you are going to use to build the frame of your machine:

- d. Draw out your plan for the frame in the box on the next page.
- e. After drawing the frame, draw the place where your scale will be located.
- f. Draw how you will use motors, pins, and shapes to move the ball.
* * Remember, level 4 is when you will try building the conveyor built, so try to draw that element in as well and what direction it will move.

Your Goldberg Machine Plan

