

Finishing your momentumometer:

1. Obtain your wood
2. Prepare one flat edge
3. Plane your wood
4. Laminate your wood if you need to
 & let it dry
5. Sand
6. Finish
7. Drill holes for welding rods
8. Hang ball bearings

Step 2 details:

- Have an adult use the jointer to smooth one side (if your wood is at least 12" long)
- If it's shorter than 12", use the belt sander or a hand plane

Step 3 details:

- Have an adult supervise
- Your wood must be 6" long
- Don't take off more than $\frac{1}{32}$ "

Step 4 details:

- To laminate, must have clean, jointed edges
- Must be planed
- Glue & clamp for 24 hours

Step 5 details:

- Always sand with the grain when possible
- Use coarse sandpaper to remove large nicks and scratches
- Use fine sandpaper to get a smooth finish
- Go in this order: Machines, 80, 120, 220

Step 6 details:

- Use a clear, water-based finish
- Don't stain
- Brushed must be cleared at the sink on the east wall
- Close cans after use
- Set your base on nails on a block of wood

Step 7 details:

- Drill after your base is finished
- Lay out with light pencil/ruler
- Use a $1/8"$ drill bit
- Use the drill press!

Step 8 details:

- Drill shallow holes in a piece of wood for bearings to rest in.
- Attach a small bead to each bearing using super glue
- Don't get glue in the hole of the bead
- Run fishing line through each bead
- Tie one end of line to one side for every ball
- Lines should be straight up & down, centered, and evenly spaced
- Tie the other end so bearings are centered and level - then glue