

FINISHING YOUR MOMENTUMMETER

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

2. Prepare one flat edge.

- Have an adult use the jointer if your piece of wood is at least 12" long.
- If it is shorter than 12", prepare one edge with the belt sander or a hand plane.



3. Plane your wood

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



3. Plane your wood



4. Laminate if you need to and let dry

- Must have clean, jointed edges.
- Must be planed.
- Clamp, use wood glue, and leave 24 hours.



5. Sand

- Always sand with the grain when possible.
- Use course sand paper to remove large nicks and scratches.
- Use fine sand paper to get a smooth finish.
- Go in this order: belt sander, 80, 120, 220.

6. Finishing

- Use a clear, water-based finish.
- No staining.
- Brushes MUST be cleaned at the sink on the east wall.
- Cans should be reclosed after use.
- Set your base up on nails on a block of wood.

7. Drill holes for your rods

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

8. Hang Balls

1. Drill some shallow holes in a piece of wood for the balls to rest in.
2. Attach a small bead to each ball using super glue.
3. Don't get glue in the hole of the bead.
4. Run fishing line through each ball.
5. Tie one end of the line to one side for every ball.
6. Tie the other end for each ball so all balls are centered and level.
7. Glue the line to each rod.