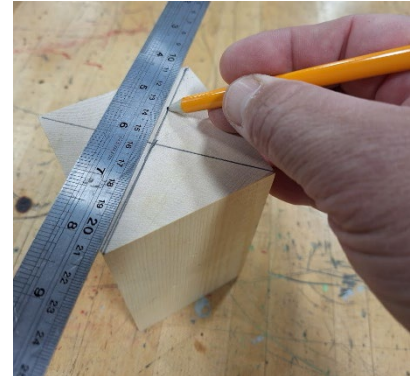
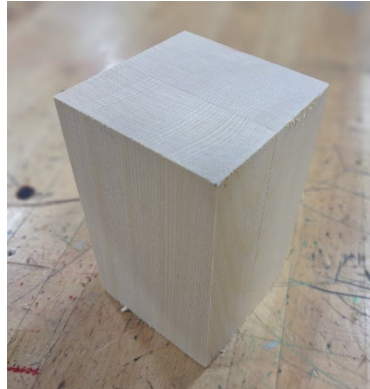




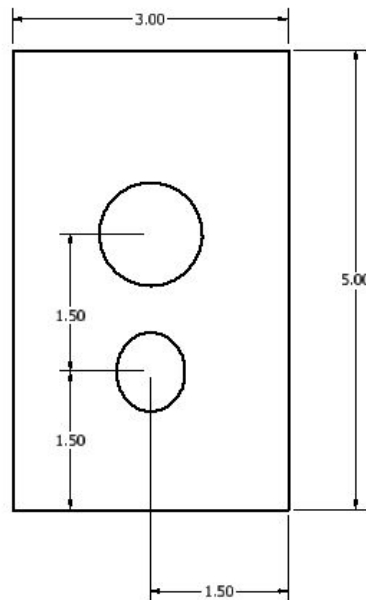
Gumball Machine

Name: _____

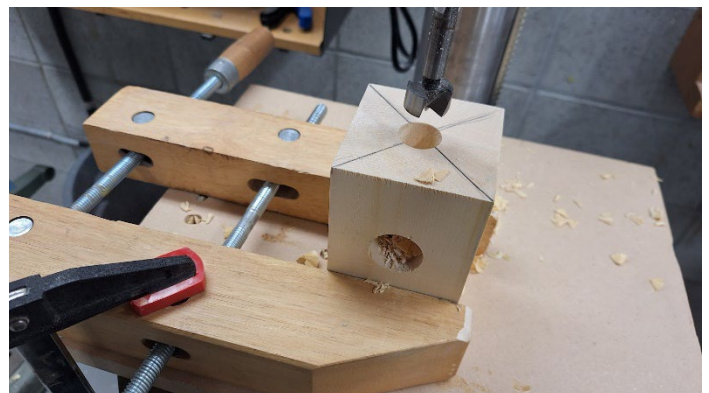
1. Obtain the 3" x 3" x 5" block of wood from Mr. Claassen.
2. Begin by drawing an X on the top of the block of wood, as shown.



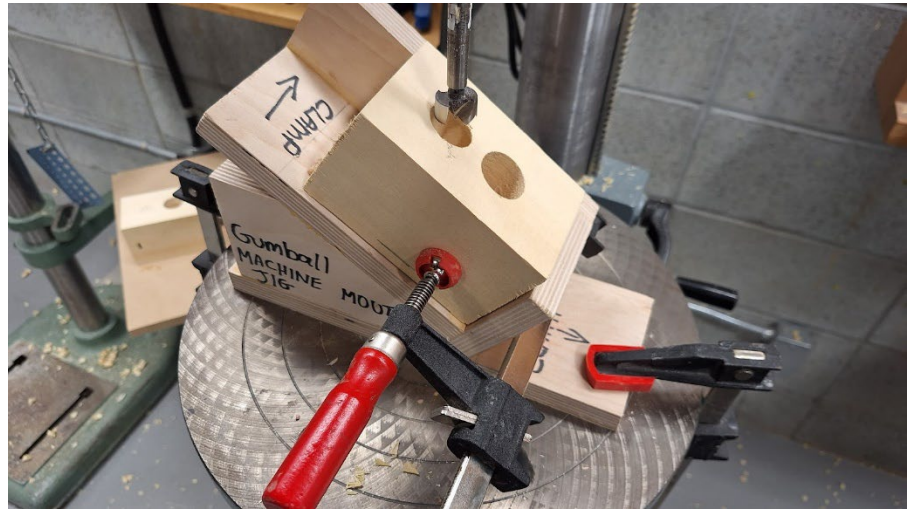
3. Next measure on the front, for the nose and mouth as shown. Use an AWL to mark the centre. Label them!!
4. Go to the Drill Press and clamp the block down to the table as shown below. Drill the NOSE hole with the 1 1/8" Nose drill bit (Its labelled). You will drill until you are 1/2in from the bottom (**Have the teacher set the depth for you!**).



5. Go to the second drill press, clamp your wood as shown, and drill using the 7/8" drill bit (labelled Mouth/Top). Drill until the drill bit goes through to the nose hole.



6. Finally, using the same drill bit as the top hole, setup the “Mouth Hole Jig” as shown to the right, clamp your block into the jig, then drill the mouth hole until it goes into the “Nose Hole”.



7. Ask Mr. Claassen for a “Test Gumball” and the “Test Nose” to check to confirm if your holes all line up and the gumball passes through.

8. From the Grade 8 Wood Supply cupboard, find the pieces necessary to build the “add on parts” to your Gumball machine (ie. Eyes, mouth, ears, hat, etc)

9. Cut, drill, shape the parts to be added on to make your Gumball Machine.

10. Sand the entire project. Any rough edges, sanding marks are unacceptable

11. Glue the parts on OR paint them first, then glue them on. You may need to drill holes in the ends of parts (ie hands) and insert dowels to ensure the parts don’t break off easily.

12. Complete the Gumball Machine Assessment Sheet and submit it to your teacher along with your project 😊

