

# GUMBALL MACHINE

## Objectives

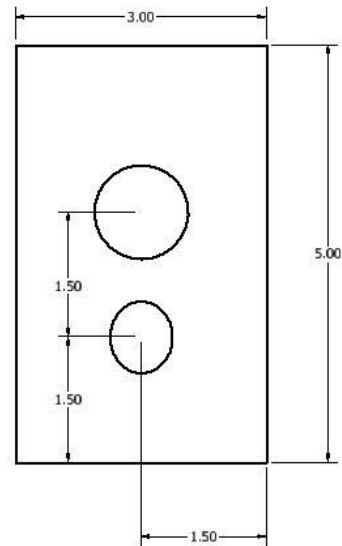
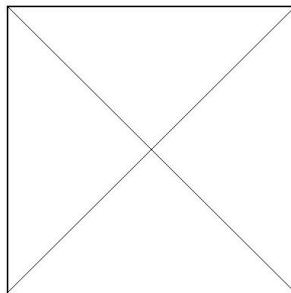


- Accurately measure using a scale
- Accurately drill holes to the correct depth and position
- To follow step by step instructions

## Procedure



- Obtain the 3" x 3" x 5" block of wood from Mr. Claassen.
- Begin by drawing an X on the top of the block of wood, as shown below.
- Next measure on the front, for the nose and mouth as shown below. Use an AWL to mark the centres.



- Using a 1 1/8" drill bit, drill the hole for the nose FIRST!! Drill in 2 1/2" Make sure the drill press is set to stop 1/2" above the table!
- Using a 7/8" drill bit, drill the top hole SECOND. Drill until it reaches the nose hole.
- Using a 7/8" drill bit, and the 30 degree "Mouth Jig", drill the hole for the mouth until so it reaches the hole that you drilled from the top.
- From the scrap wood box find the pieces necessary to build the "add on parts" to the Gumball machine (ie. Eyes, mouth, ears, hat, etc)
- Cut, drill, shape and sand the parts to be added on.
- Glue the parts 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 really easily.
- Make sure the entire project is sanded. Any rough edges, sanding marks are unacceptable.
- Paint the project
- Submit the project for marking WITH the original drawing that has Mr Claassen's initials on it.

## Marking

Sanding and Prep Work (scratches, cut marks, etc)	/10
Final finish applied (How well did you paint it)	/5
Overall Impression (How does it look)	/5