

# Agricultural Shop Class

## Candy Jar Dispenser Project

Name \_\_\_\_\_

\_\_\_\_\_ points earned  
25 points possible

### Overview of project:

For this project, each of you will be manufacturing a wooden based candy jar dispensing machine.

### Procedures:

1. Creation of inside sliding apparatus.
  - a. Cut 3 pieces of lumber that are all 1" x 2.25" x 4"
  - b. Use table saw with dado to place groove into 2 of the sliding apparatus pieces.
  - c. Sand all three pieces.
  - d. Glue the three pieces together.
2. Cut both side pieces. They are each 4 inches tall.
3. Cut out top piece: 1" x 6" x 5.5".
  - a. Identify middle of board.
  - b. Use circle cutting tool to cut hole into top.
  - c. Use router table to round over the top edges.
  - d. Sand
4. Cut out bottom piece: 1" x 6" x 6.5".
  - a. Round over the top edge of this piece.
  - b. Sand
5. Create the slide/spout.
  - a. From the board that has been fabricated, use the bandsaw to cut a piece that is 2.5 inches long (it will need to be cut with two angled ends). When done, it should be 1.75" long.
  - b. Use sanding drum to smooth down the middle slide.
  - c. Hand sand the rest.



6. Create the slide/pull: cut a piece of lumber 1” x 1.25” x 5.5 “
  - a. Use Router table with straight bit to create groove.
  - b. Use stationary drill to cut circular hole.
  - c. Use stationary sander to round over the end.
  - d. Use cordless drill to cut in hole for the handle
  - e. Use cordless drill to drill hole into sliding apparatus for wood dowel.
  - f. Sand smooth
  - g. Attach wood dowel and handle to slide/pull.
  
7. Stain all pieces.

**Assembly:**

1. Attach sliding apparatus and slide/pull to sides using wood screws – counter sink before screwing into the wood.
2. Attach base to sides. Counter sink first.
3. Attach top to sides. Counter sink first.
4. Attach ring using 4 small nails.
5. Hand sand all counter sink areas.
6. Re-paint. May need to re-paint two additional times.

**Grading:**

<b>Evaluation Criteria</b>	<b>4—Excellent</b>	<b>3 –Above Average</b>	<b>2 – Average</b>	<b>1 –Below Average</b>
Length/width (5 pts)	Correct according to directions.	¼ to 1/2 inch off	½ to 3/4 inch off	More than 3/4 inch off
Finish – sanding (7 pts)	Very smooth and free of defects	Smooth with some defects	Rough with defects	Rough with splits
Appearance with paint -- (6 pts)	Even with correctly applied paint	Slightly uneven with correctly applied paint	Uneven with correctly applied paint	Uneven with paint applied incorrectly
Safety -- (2 pts)	Demonstrated appropriate safety at all times	1 to 2 safety violations	3 to 4 safety violations	More than 4 safety violations
Summary and/or write up -- (5 pts)	Typed out using correct grammar and no mistakes	Typed out using correct grammar and less than 3 spelling mistakes	Typed out using correct grammar and has 4 to 6 spelling mistakes	Not typed out and contained grammar mistakes and more than 7 spelling errors.