

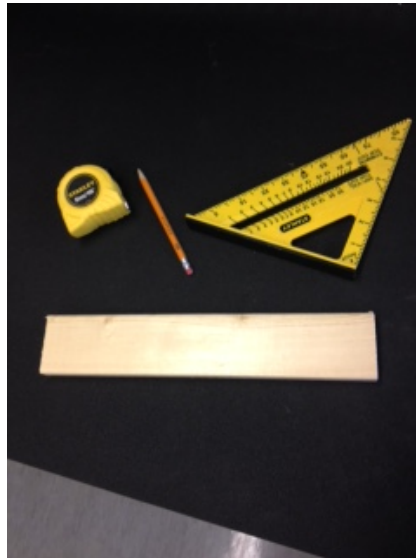
Electronic Device holder Junior Woodwork project



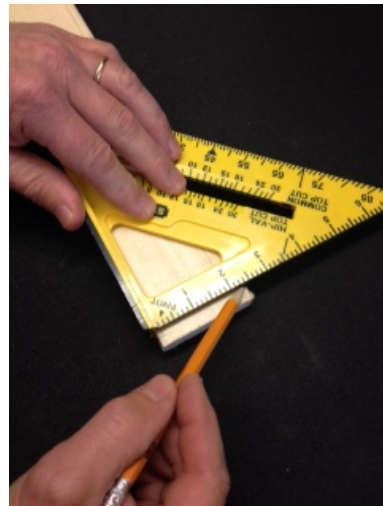
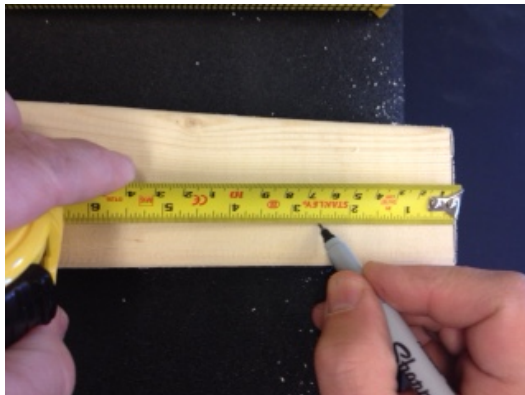
MATERIALS & EQUIPMENT LIST:

- ❖ Tape measure
- ❖ Speed Square
- ❖ Pencil
- ❖ Clamps
- ❖ Masking Tape
- ❖ Cordless Drill
- ❖ 1/8" drill bit
- ❖ Countersink bit
- ❖ Coping saw
- ❖ Back saw
- ❖ 1 – 1"x 4" x 15" pine /per student
- ❖ 4 - #8 – 1 ¼" wood screws /per student

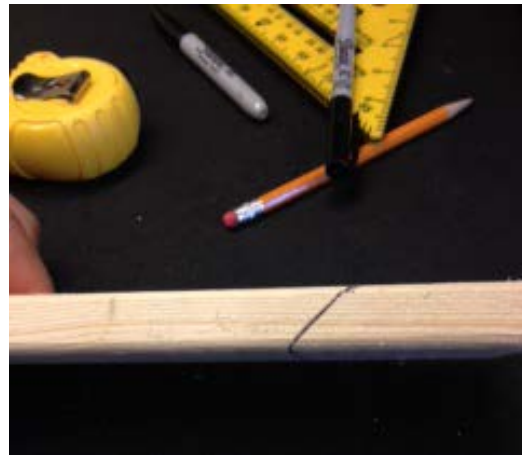
1. Gather Layout Materials



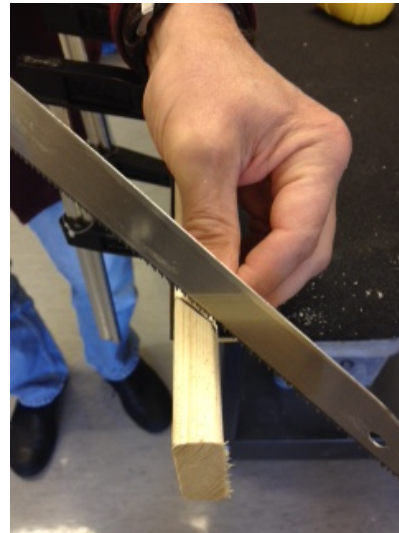
2. Using your tape measure, from the end of your board measure in 2 ½" and draw a line using your pencil. Ensure the line is drawn across the entire width of the board – use your speed square to ensure your line is straight and even.



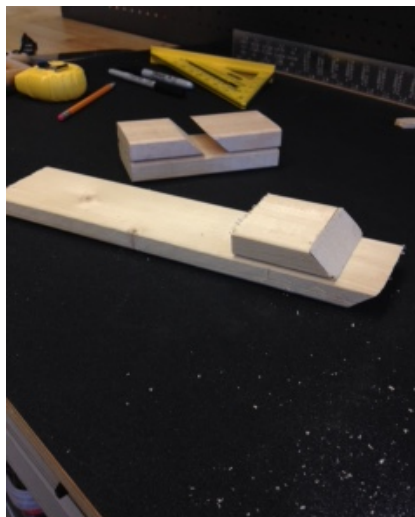
3. Turn your material onto its edge and using the speed square, draw a 45° angle along the edge that lines up with your line you drew on the front side.



4. Secure the material with a clamp, to the table and carefully begin sawing.



5. Using the piece that you just cut off lay it on top of your main board 1" from the angle cut end. Draw a straight line across your material.



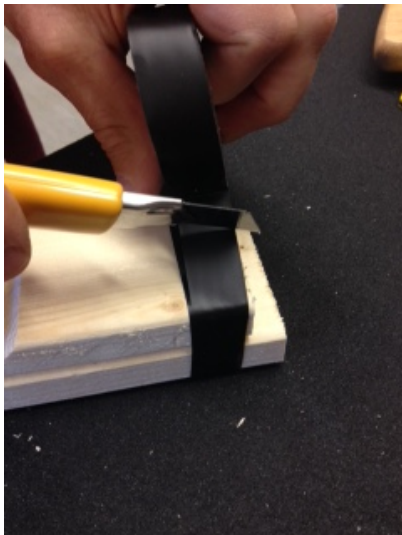
6. Secure the material to the table with a clamp and carefully begin sawing.



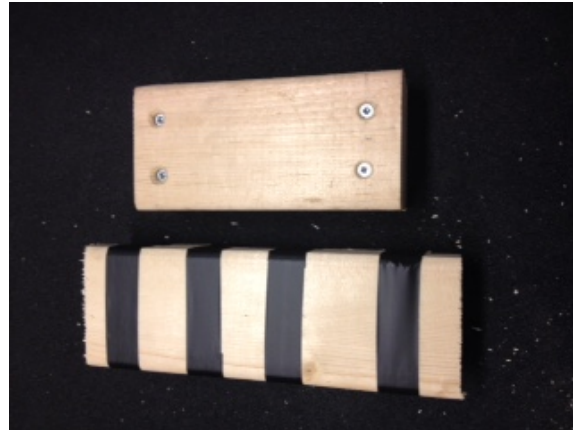
7. Stack your pieces on top of one another leaving a $\frac{3}{4}$ " gap between your two angled pieces.



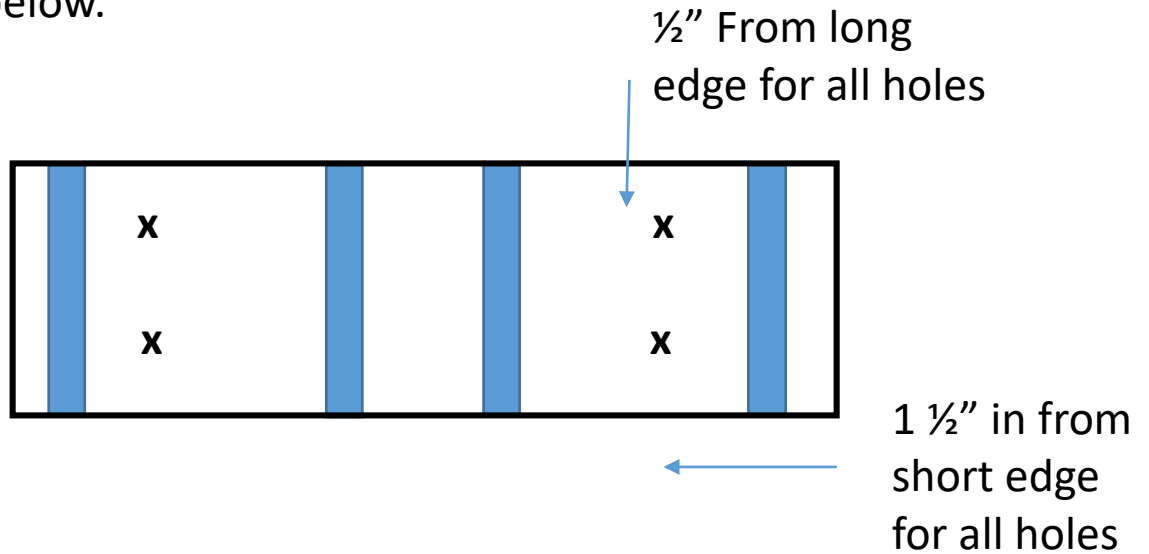
8. Carefully tape your pieces together, using masking tape or electrical tape.



9. Turn your taped materials over so the full board is facing up. Double check to make sure your taped sections will not interfere with the layout of holes for drilling.



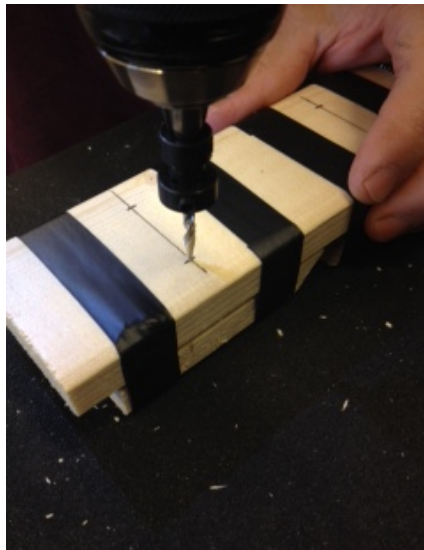
10. Using the speed square and your pencil layout 4 holes according to the diagram below.



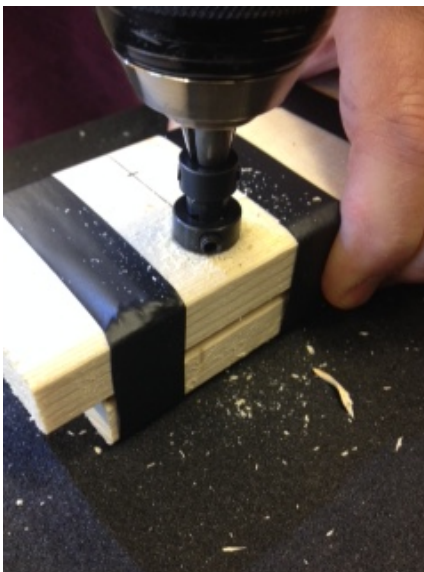
11. Set up your drill with 1/8" drill bit.



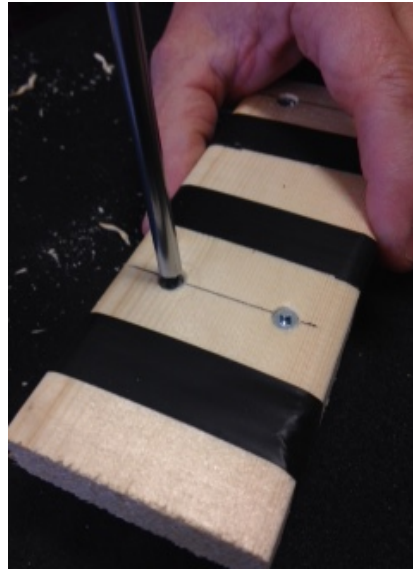
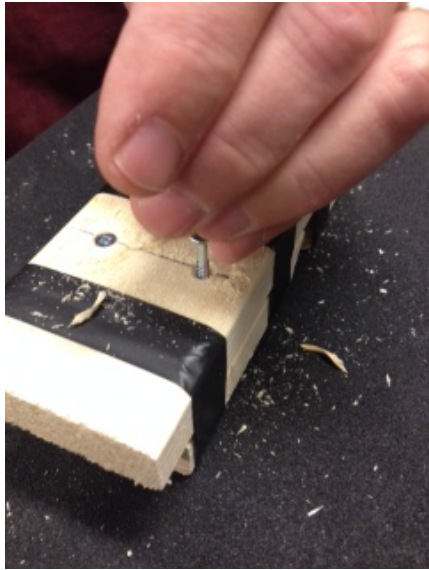
12. Drill each hole approximately 3/4" deep. Be sure to hold the drill at a 90° angle



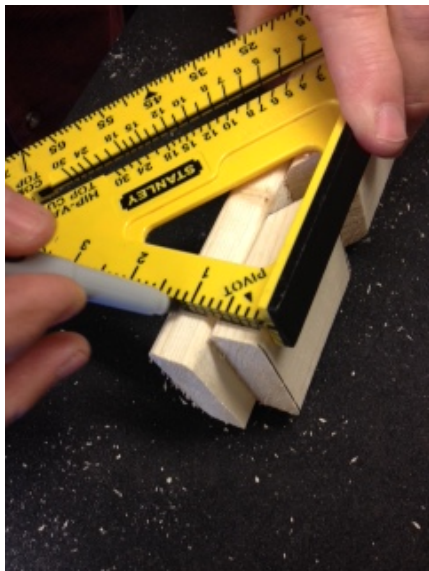
13. Switch out the drill bit for the counter sink drill bit and drill each of the four holes.



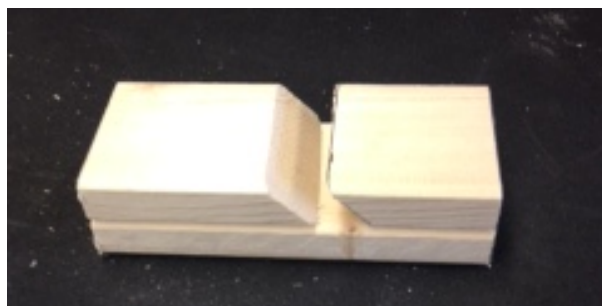
14. Using the screws provided, insert and secure your materials together.



15. Remove the tape from your project. Using your speed square and a pencil, draw a line across each end of your material. This will clean up the ends of your project and make them uniform.



16. Carefully clamp your project to the table and cut off each of the waste ends.



17. Using a sanding block, sand smooth all of your surfaces and edges. Make sure there are no sharp bits or excess material.



18. Clean up your working area, and ensure all tools are put away properly.



19. Your project is complete.. You may wish to add paint or other embellishments.

