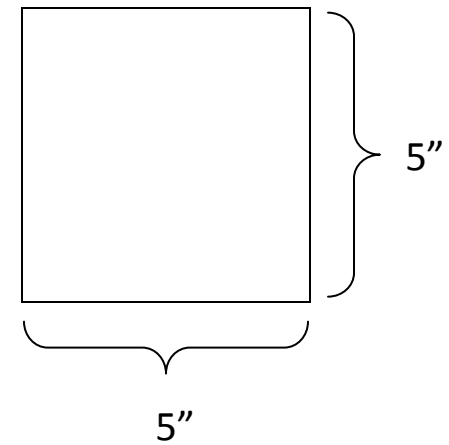


# TABLE SAW

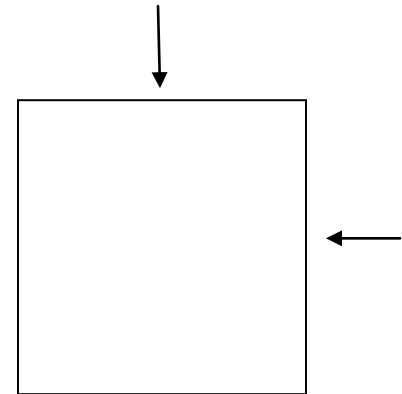
Cut a 5 inch square from  
the  $\frac{1}{4}$  inch plywood



Go to Belt Sander

# BELT SANDER

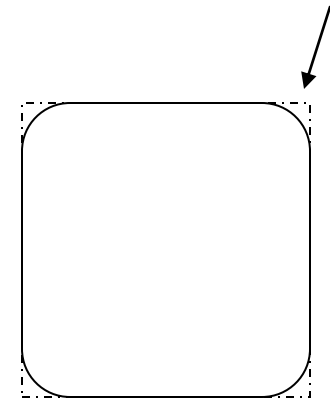
Smooth the 4 sides of the plywood



Go to Disc Sander

# DISC SANDER

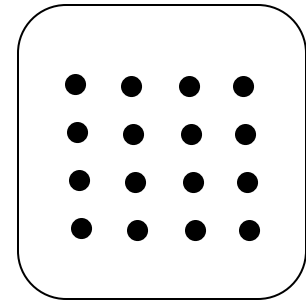
Round the corners of the plywood



Go to Drill Press

# DRILL PRESS

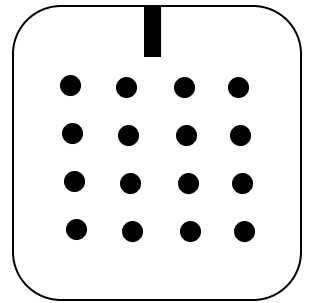
Measure and mark a 4 x 4 grid then  
**drill holes** (holes 1 inch from edges and 1 inch apart)



Go to Band Saw

# BAND SAW

Cut  $\frac{1}{2}$  inch notch in the center of edge  
of 1 side. ( $\frac{1}{2}$  inch deep,  $\frac{1}{8}^{\text{th}}$ - $\frac{1}{4}$  inch wide)



\*\* if wiring done, go to stapler then  
Go to Miter Saw

# STAPLER

Place wires through notch with alligator clip and battery on bottom, and probe tip and light on top, staple in place. Use ribbon to hold battery in place.

Go to Miter Saw if need feet still

# MITER SAW

Cut 4: 1 ½ inch long pieces from the dowel rod.

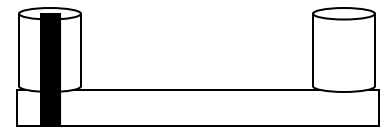
Go to Hand Drill

# HAND DRILL

Place one of the dowel pieces in clamp. Drill a hole through the center. Repeat for other three.

Line up a 'leg' on the corner of the board and drill matching hole. Screw the leg to the board.

Repeat for other three.



Go to Grinder (if not already done)



# GRINDER

Using a vise grip, round the tips off of 16 nails.  
(When you have your board made, push the nails through the holes with the heads on the bottom side.)

Go to Solder Iron (if not already done)

# SOLDER IRON

1) solder one side of light wire to an alligator clip. 2) tape other light wire to one end of battery. 3) Create a 'probe' tip on one wire, by stripping 1 inch and adding solder to stiffen. 4) tape other wire end to other end of battery.

Go to Table Saw (if not already done)