

# Building a Portable Sound Recording Booth

## Pricing for Booth

Item	Cost	Source
2- 1/8"x24"x48" Hardboard	\$2.98 x 2	Home Depot
Tuck Tape (as hinges)	8.73	Home Depot
Duct Tape (4 small pieces)	1.72	Home Depot
Velcro Straps (no adhesive) 12' roll	\$8.96	Home Depot
Acoustic Foam- 24"x96"x2 1/2"	\$28.20	The Foam Store (Kitchener)
Feather Spray 470 Clear- Spray Adhesive (cheaper Elmers did not work)	\$ 10.75	The Foam Store (available at Home Depot)
Heavy Duty staples and stapler	As needed	
Total	\$64.32 + tax	All prices in CAD

## Pricing for Recording Equipment

Please note that not all items will be necessary for your purposes.

Item	Cost	Source
Snowball USB Microphone (not ICE version)- Blue Microphones	\$82.57	Amazon.ca
Lightning to USB Camera adapter (for newer iPads)	\$35	Apple.ca
Apple iPad Camera Connection Kit- 30 pin (for older iPads)	\$35	Apple.ca
Total	\$120.57 + tax	All prices in CAD

# Building the Booth

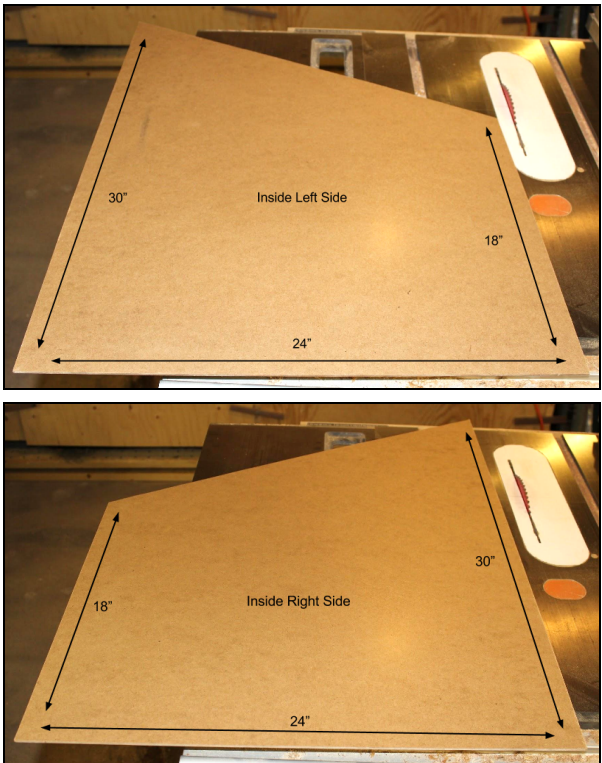
### Required Equipment:

- 1. Saw- handsaw or circular saw
- 2. Heavy duty stapler and 8-10 mm staples
- 3. Utility knife- long blade
- 4. Straight edge- meter stick, level, etc.
- 5. Tape measure

- 6. Pencil
- 7. Hammer
- 8. Nail punch (optional)

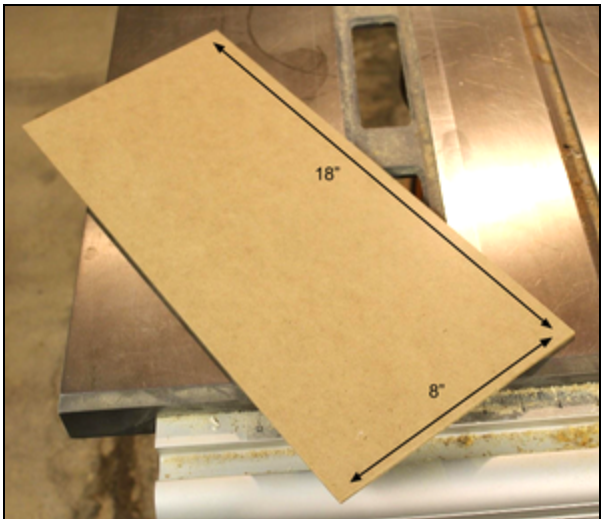
Step 1: Cut the sides

- 1. On one piece of your hardboard, measure 18" along one side and mark.
- 2. Measure 18" along the other side, starting at the opposite end of the board.
- 3. Draw a straight line between your two marks. This should create a diagonal line across the board.
- 4. Cut along the line.
- 5. Place the two pieces on top of each other, lining them up. Label the inside of both pieces to avoid confusion later.



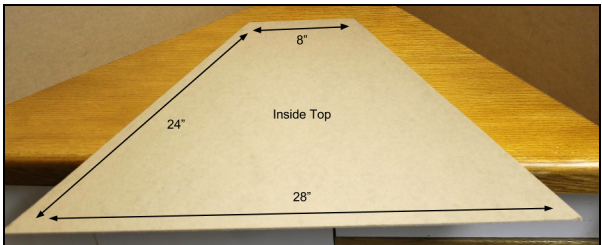
Step 2: Cut the back

- 1. Using your other piece of hardboard, cut the back piece of your booth at 18"x8".
- 2. Mark one side of the this piece as the inside to avoid confusion later.



Step 3: Cut the top

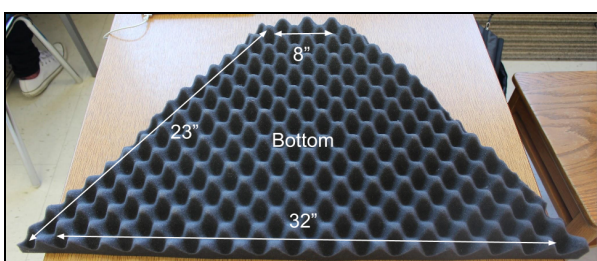
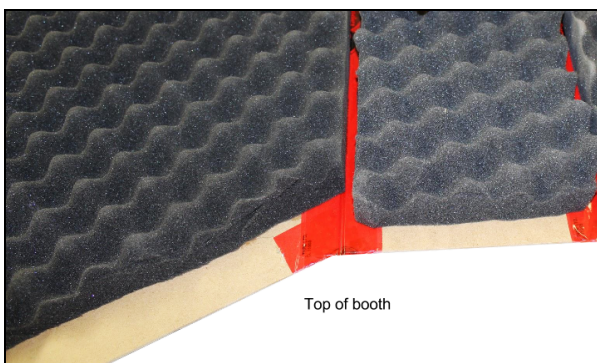
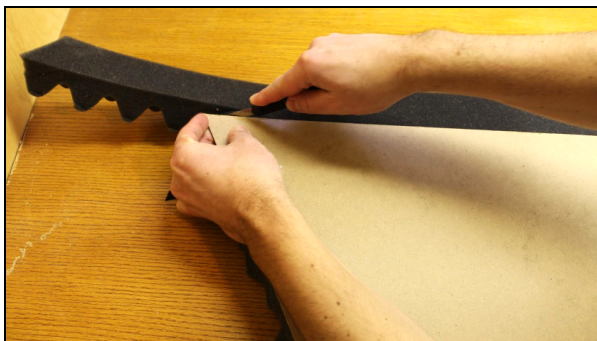
- 1. Using the piece remaining from cutting the back, cut the top piece at 8"x24"x28"
- 2. Mark one side of the this piece as the inside to avoid confusion later.



Step 4: Cut foam

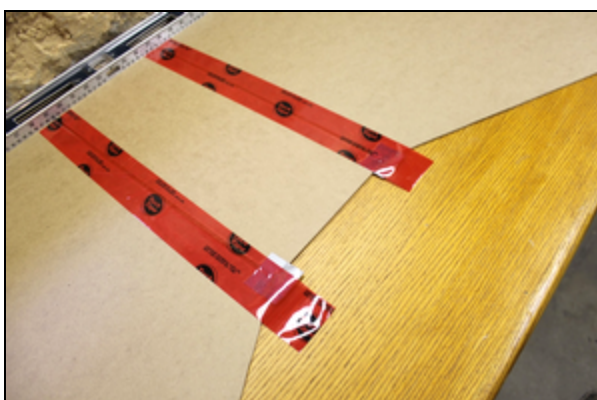
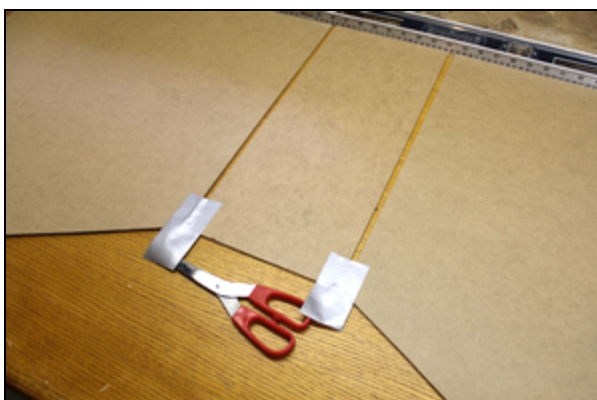
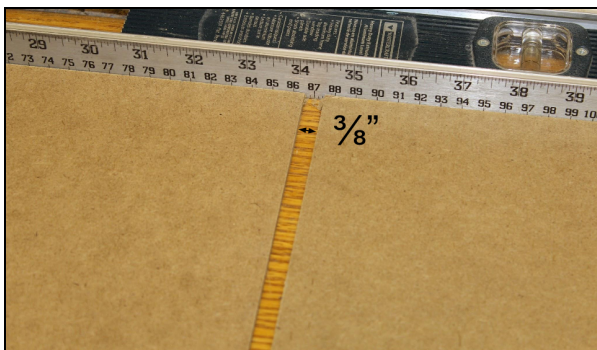


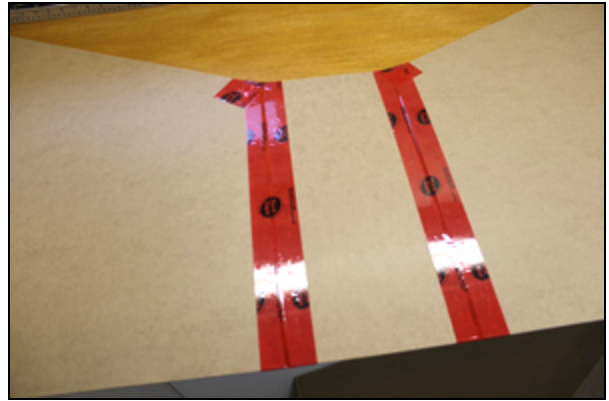
1. Using your wood pieces as templates, place both side pieces on top of the acoustic foam and cut with the utility knife, cutting the foam approximately **1 ½" smaller** along the top/diagonal edge of each side.
2. Cut the foam for the top piece **exactly** the same size as your wood piece.
3. Cut the foam for the back of the booth, cutting it approximately 1 ½" smaller (16 ½") along the top and ½" on both sides (7").
4. With the remaining foam, cut a piece as near 8"x23"x32" as possible for the bottom of your booth.



### Step 5: Tape sides and back together

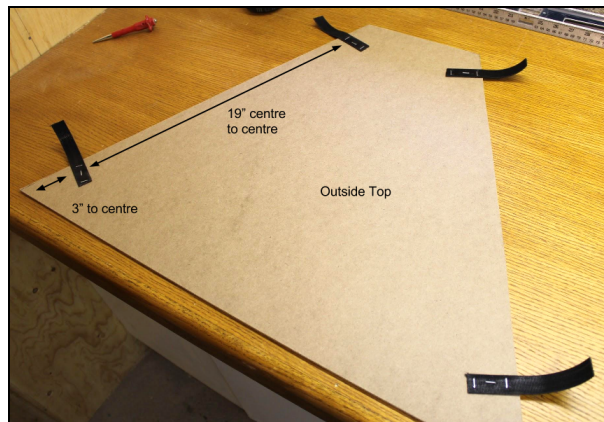
1. Place the wood sides and back of the booth on a flat surface with the bottom edge against a straight edge.
2. Leave approximately  $\frac{3}{8}$ " between the pieces.
3. Along the top and bottom edges, wrap over a piece of duct tape (approx. 4")
4. Using the tuck tape, connect the sides with the back, overlapping the top and bottom.
5. Once you have completed one side, flip over and use tuck tape again.
6. For additional strength, repeat the tuck tape step twice on each side, alternating each time.





**Step 6: Attach velcro straps- please note that the long side of the sides is the front of the booth, as well as the front of the top piece.**

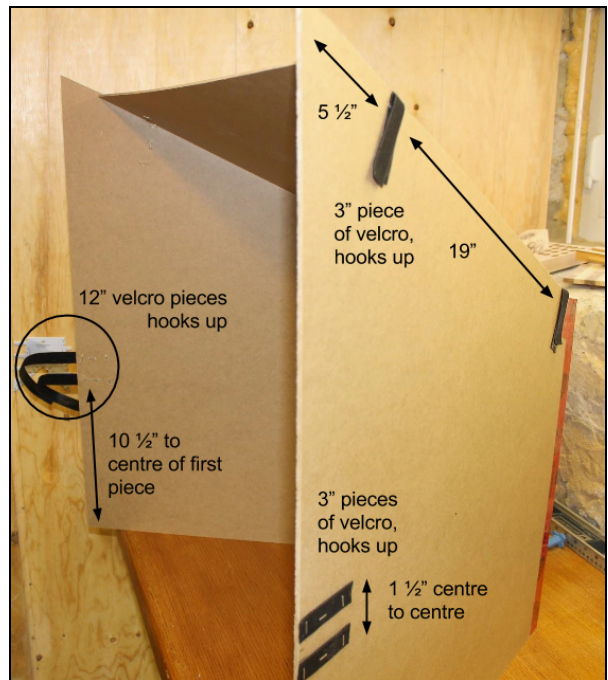
1. Cut 6 pieces of velcro approx. 3" in length.
2. Cut 4 pieces of velcro approx. 6" in length.
3. Cut 2 pieces of velcro approx. 12" in length.
4. In the following places on the top piece, use the heavy duty stapler to attach the 6" velcro pieces hook side (rough side) up.
  - a. From the front, 3" to centre of first piece.
  - b. 19" between the first and second piece.
5. In the following places, use the heavy duty stapler to attach the 3" velcro pieces hook side (rough side) up.
  - a. Top edge of sides- 5 ½" from front edge, 19" between pieces. Please note that this is just an estimate. Dry fit the top on the sides to determine exact velcro placement and angle.
  - b. Front edge of one side- 10 ½" up from the bottom, 1 ½" (centre to centre) to the next piece.
6. In the following places, use the heavy duty stapler to attach the 12" velcro pieces hook side (rough side) up.
  - a. Front edge of other side- 10 ½" up from the bottom, 1 ½"





(centre to centre) to the next piece.

7. Using the hammer, and optional nail punch, flatten the sharp ends of the staples on the inside of the booth.



### Step 7: Glue foam

1. In stages, spray both the back of the foam and the wood with the spray adhesive.
2. Wait until tacky (30 seconds) and then place the foam on the wood,
  - a. lining up the bottom and front edge of the side pieces,
  - b. all sides of the top piece,
  - c. and the bottom edge of the back leaving the 1/2" space around both sides and 1 1/2" at the top.
3. Leave on a flat surface to dry.



