

The INVENTIONEERS STOW-OR-GO TABLE

THE TEN POUND HOME PRACTICE TABLE FOR FLL TEAMS INSTRUCTIONS

Materials:

Quantity	Product	
1	1.5x2x8 Foam Insulation (pink)	\$11.36
1	1x4x8 Sheet Rigid Foam Insulation Board	\$23.45
4 ft	duct tape	\$.50
4 (1 pkg)	3" corner braces	\$ 3.97
8	1" drywall screws	\$.90
24	2" drywall screws	\$ 5.94
1 tube	Insulation adhesive	\$ 3.44
1 roll	Black contact paper	\$ 6.48
Total for Materials:		\$56.04

Tools Needed:

Utility Knife (adult use only)
4 ft to 8 ft straight edge
Tape Measure
Ruler

Caulking Gun
Screw driver (preferably powered)
Scissors
Large working area

Step-by-Step Instructions:

1. For pink foam insulation - measure 3 ½ inches and using utility knife (adults only!) and straight edge cut 3 8-ft pieces of foam (finished pieces will be 8 ft x 3 ½ in.) (or use a sharp electric knife or band saw)
2. Cut one of these 8 ft pieces into two 45 inch long pieces (finished pieces will be 45 in. x 3 ½ in.)
3. Apply adhesive to flattest 1 ½" side of one of the remaining 8 ft pink foam pieces and adhere it to the 8 ft side of the rigid foam board with the 1 ½" edge in line with the edge of the rigid foam. Repeat for parallel side.
4. Apply adhesive to flattest 1 ½ "side of 45" piece of pink foam and place between the two 8 ft pieces of foam on one end of the rigid board. Keep all these sidepieces perpendicular to the rigid foam board. Repeat for other end of rigid board.
5. Put rigid foam board on edge and screw in eight 2" drywall screws per sidepiece from under the board (see diagram) and four screws along the 45" end pieces. Place 2 drywall screws per 45" side piece through 8 ft side pieces – see diagram
6. Allow to adhesive to dry 15 –20 minutes.
7. Using 1" drywall screws, attach corner braces to all outside corners.
8. Find center of rigid board at 4 ft mark. Using utility knife, score 8 ft board in half from the top side, leaving the foil covering intact on bottom, then cut through 8 ft x 3 ½ in. side pieces at same point. Bend table back to break the score lines. Table will fold in half with bottoms together. Reinforce by adding 4 ft strip of duct tape to this "hinge".
9. Using black contact paper, cover pink sides of table making sure to not wrap the contact paper around the ends of the pink sides at the hinge – the table won't come together (or paint sides which we haven't tried).
10. Voila – a lightweight, fairly durable (but handle carefully – it's still foam!), "stowable", portable, FLL competition table!!
11. Contact us – The Inventioners – at TheInventioners@yahoo.com to tell us you used our design and let us know how it works for you. Also, request a free

