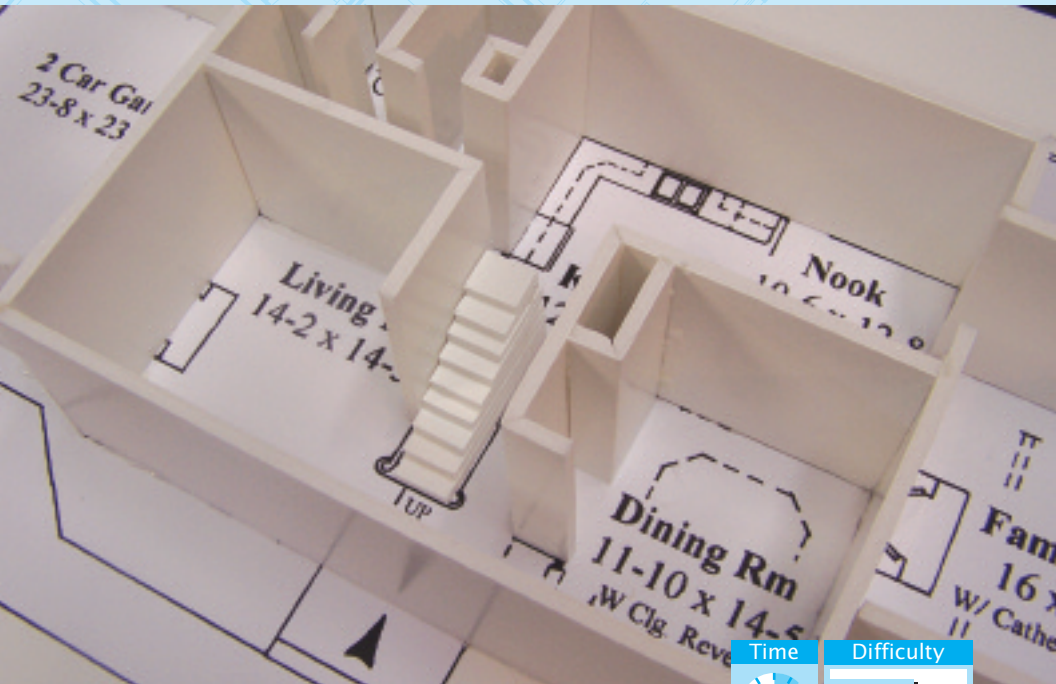


P R O J E C T I D E A

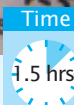


House Model*

Thinking about building a house? Build a 3-dimensional model out of foamboard first to help visualize your new home.

You will need:

- A set of house plans with room dimensions
- 2 sheets of white foamboard
- Spray adhesive
- FoamWerks V-Groove Cutter (WC-2001)
- FoamWerks Rabbet Cutter (WC-4010)
- FoamWerks Straight Cutter (WC-6001)
- Sharp pencil
- FoamWerks Channel Rail (W-3001)
- Glue gun



Difficulty

Intermediate

For even more exciting foamboard projects, read [Foamboard Magic](#) by Eileen L. Hull.

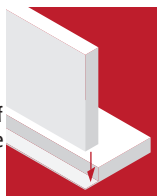
* This project is an excerpt from [Foamboard Magic](#) by Eileen L. Hull. Copyright 2008 Logan Graphic Products, Inc.



Printed on recycled paper with vegetable inks.

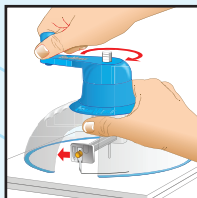
INSTRUCTIONS:

1. Trim printed house plans to fit on foamboard base no larger than 12" x 16". It's difficult to get in close and work on a project much larger than that. Spray back of plans with adhesive and center on foamboard base. Measure the perimeter (outside walls) of the house and add together. Cut strips of foamboard to size after determining what the height of your ceiling will be. I used a scale of $\frac{1}{4}" = 1 \text{ foot}$. For example, I cut my foamboard walls to 2 $\frac{1}{2}"$ since my walls were 10' high. ($\frac{1}{4}" \times 10 = 2 \frac{1}{2}"$).
3. Measure each wall and note dimensions on paper. Using the V-Groove Cutter, cut each 90 degree angle. Using the Rabbet Cutter, cut the edge of the first wall, which will create an edge for the final wall to adjoin.
4. If you are making a turn in the wall that is not 90 degrees, use the Straight Cutter to simply score the board and bend it to the angle as needed.
5. When you have all of your pieces assembled and are ready to construct the house, attach your outer

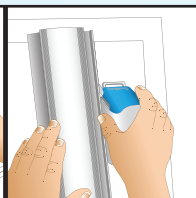


walls first. This is the biggest (and hardest) section and you need to know where you are going to adjoin the inner walls. Take the glue gun and run a line of glue along the bottom of the foamboard and along any sides that will be attached to the outer walls. You have to move quickly here. If the glue dries and you haven't placed it down, run the glue gun tip over that area again to re-heat the glue and put in place quickly. Try not to have the piece you are inserting touch anywhere on the model because it will leave a trail of glue. If you try to remove dried glue, you may pull paper with it too.

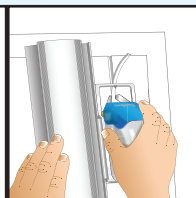
6. When adding the inside walls, work from the inside out. This area is the hardest to see in and access so do them first. Work your way out to the side walls.
7. A lot of the sample models I looked at didn't make a break for a door but just enclosed the entire room as though the door were closed. Challenge yourself and make a hinged door that utilizes one scored edge and two Straight Cut edges. The doors are indicated on the pattern with an arc showing the door's path.



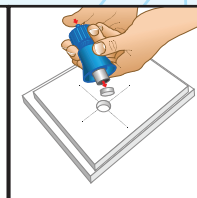
WA-8001 FoamWorks
Circle Cutter



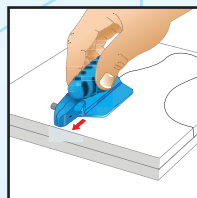
WC-6001 FoamWorks
Straight Cutter



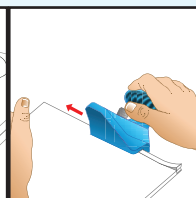
WC-2001 FoamWorks
V-Groove Cutter



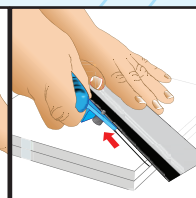
WD-8010 FoamWorks
Hole Drill



WB-6020 FoamWorks
Freestyle Cutter



WC-4010 FoamWorks
Rabbet Cutter



WC-6010 FoamWorks
Straight/Bevel Cutter

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