

HART™



DIY Bookbag Rack
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PROJECT PLAN

Finished Dimensions: Varies based on Desired Size

Skill Level: Easy

Materials

Item	Qty
1x4	1
1x2	1

* Board dimensions are “nominal.” Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Tools Used



Miter Saw



Power Drill

Also Needed:
 Spade Bits
 3-3/8” long shaker pegs
 Philips head drill bit
 1/2” screws
 Nailer



Battery Tip: A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

Board*	Description	Cut to	Qty
1x4x8		36"	1
1x2x8		36"	1

* Board dimensions are “nominal.” Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Assembly Instructions

Step 1

Measure your desired length for peg rail. then cut your 1x4 and 1x2 the same size with the miter saw.

Step 2

With your cut 1x4, determine where you want your pegs to be. I find it easier to take the pegs and put them on the board to get a visual look. Once you determine location of pegs, mark on the board where you want the placement of each peg.

Step 3

With your Hart drill, use the 1/2" spade bit and drill hole in the mark on your 1x4. DO NOT drill hole all the way through. You want just a small hole to poke through the back, but you DO NOT WANT a solid hole in your board.

Step 4

Once you have drilled all the holes for your pegs, put your pegs in the holes to make sure they fit. If they don't fit flush with the board, you will need to drill just a little deeper hole. The peg should lay flush with the board, as it is apart of the board.

Step 5

Once you have your pegs placed and flush in the holes, flip the board over and with your Hart drill and Philips head drill bit and use a 1/2 screw to fasten the pegs in place. Remember that SMALL hole that should be in the back. Fasten the screw in the hole, and fasten the bottom of the peg. (If you wanted to add extra security, you could add a little wood glue in with the pegs in the hole.)

Step 6

Now you have your pegs fastened and secured to your 1x4. Take your 1x4 and place it in the desired location. Use a brad nailer and fasten it to the wall.

Step 7

Take your cut 1x2 and lay it flat on top of your 1x4 (basically creating a ledge) and fasten the 1x2 to the 1x4 with a brad nailer.

Step 8

Paint.

Step 9

Project is complete and now to the fun part... utilizing your functional, but pretty, space.
