

BASEBALL DUDES

DIY Pitching Mound





Material List

**Please note that each project is different. Make sure to always check measurements before cutting, etc. All measurements should be based off how long/wide the rubber top/platform is cut.

Lumber:

2" x 10" x 10' = 3

2" x 10" x 8' = 1

2" x 4" x 16' = 1-2

1" x 6" or 8" x 6' **Optional (see page 5)

OSB/Ply-Wood:

1/2" x 4' x 8' = 1

1/2" x 4' x 2' = 1

Sand Paper = 80-100 grit

Screws:

2 1/2" Deck Screws = Approx. 30

1 1/2" Wood Screws = Approx. 30

Hinges x 2

**If making foldable option

Liquid Nails/Gorilla Glue (Original) = 1 tube (make sure it is good for wood and rubber).

Rolled Rubber Top/Platform:

1/4" cut to preferred length.

Wheels x 2

**We have tried different options here. If the mound will be used strictly on hard indoor surfaces, we've attached 4" wheels to the back but for mounds that will be used outside, we've attached 8" wheels on the sides so it rolls easier on grass and/or dirt.

**We used 4" x 1/2" lag bolts to attach the 8" wheels we used. This may differ depending on the wheels you choose.

3 Spike Pitching Rubber

**Scan the QR.



Scan the QR to find supplies on our Amazon page.

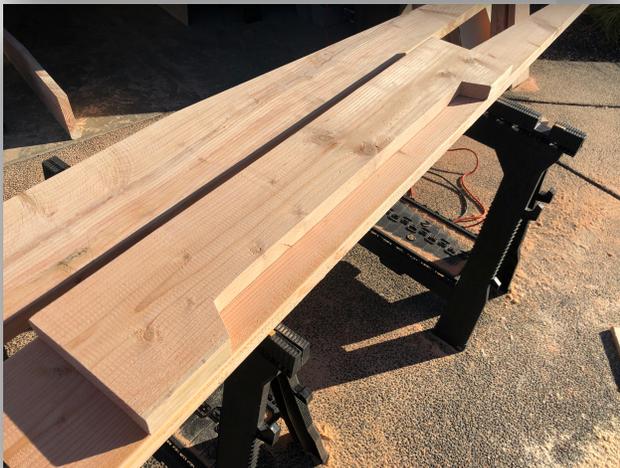


- First measurements and cuts...
- Determine how long you want your mound to be (pictured is an 8' 6" mound).
- Cut two of the 2" x 10" x 10's to your desired mound length for the side walls.
- Cut the third 2" x 10" x 10' an inch and a half shorter on both ends to make space for the back wall and front cross support boards). Later you will need to strip 3/4" off the bottom of this piece to make room for the ply-wood deck and rubber top.
- Next determine where you will start the cut for the slope. The top platform/deck (where the pitching rubber will be attached) is the 2' x 4' piece of plywood. Remember to add on the 1-1/2" for the back wall. Your cut for the slope should start approx. 2' 1-1/2" from the back.
- Your front cross support will be approx. 1 1/2" tall at the shortest point so run your slope down to that measurement.
- After cutting, sand down all rough edges.





- Cut the 2" x 10" x 8' into two 4' long pieces. One for the back wall and the other for the front cross support. **These pieces will fit inside the outer walls.
- Take one of the 4 foot pieces and cut a strip off for the front cross support. This piece will need to have the same dimensions/slope as the ends of your outer wall boards (approx. 5 degrees).
- Next come the cut-outs for the handles. We make the cuts 2' wide x 2-1/2" tall (so a baseball won't fit underneath). We went with the same size handles on the side walls too.
- If you haven't yet, take the middle support board and strip the 3/4" off the bottom and cut off the bottom back corner (pictured below bottom right) to make space for the handle.





- Next lay out your cut pieces/frame, make sure everything fits, angles are square and the middle support is set middle on both ends.
- Now it's time to make the cuts to make it foldable. Cut your side boards directly in the middle. For example, our 8' 6" mound pictured, our cuts were at 4' 3" for the side boards.
- For the middle board, the halfway cut is at 4' 1-1/2" but we will take off another 1-1/2" to make space for the 4' cross support. We will do this of both pieces of the middle support board.
- For those 4" cross supports, cut two pieces from your 2" x 4" boards. From there you'll want to strip off a small piece at 5 degrees to match the slope of the mound. When attaching these, leave 1/4" space from the top of the side rails for the rubber top.



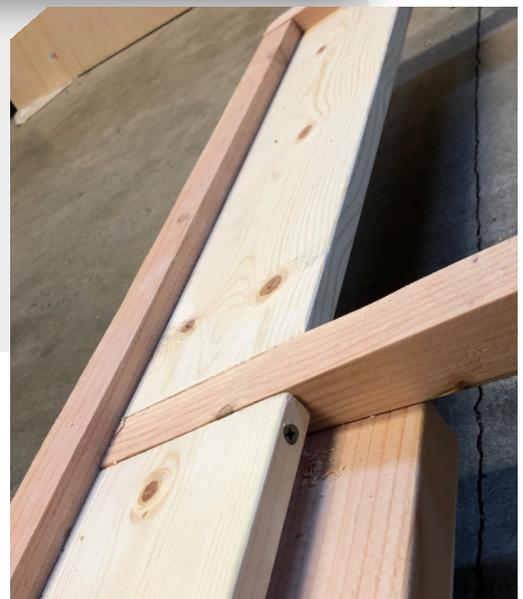


- Next lay out your cut pieces/frame, make sure everything fits, angles are square and the middle support is set middle on both ends. Start screwing it together with your 2-1/2" screws.
- Next, get your 2" x 4" boards and cut them into 23-1/4" pieces. These will be for your bracing as pictured below. I like to place them every 12" or so but space them as you see fit.
- Now for the side bracing, take the 3/4" piece you stripped off of the middle board and cut it into pieces that fit between your 2x4 braces. The will help stabilize the edges of the plywood. You will need more so we use the extra wood cut off from other areas and cut 3/4" strips off them and cut those to size.
- These will be screwed onto the inside of the side wall boards starting from as far towards the bottom as they can go. Make sure to leave 3/4" space for the ply-wood and rubber.
** I made a 3/4" spacer I use to help with this part.
- While we are here, let's attach the hinges (if you're making a foldable mound). Once you're done with the bracing, lay the pieces on top of each other, line them up evenly, please your brackets where you want them making sure they are centered between the two cross support boards and screw in. Unfold making sure the mound lays level and make necessary adjustments. (You can also add the hinges later if you prefer.)



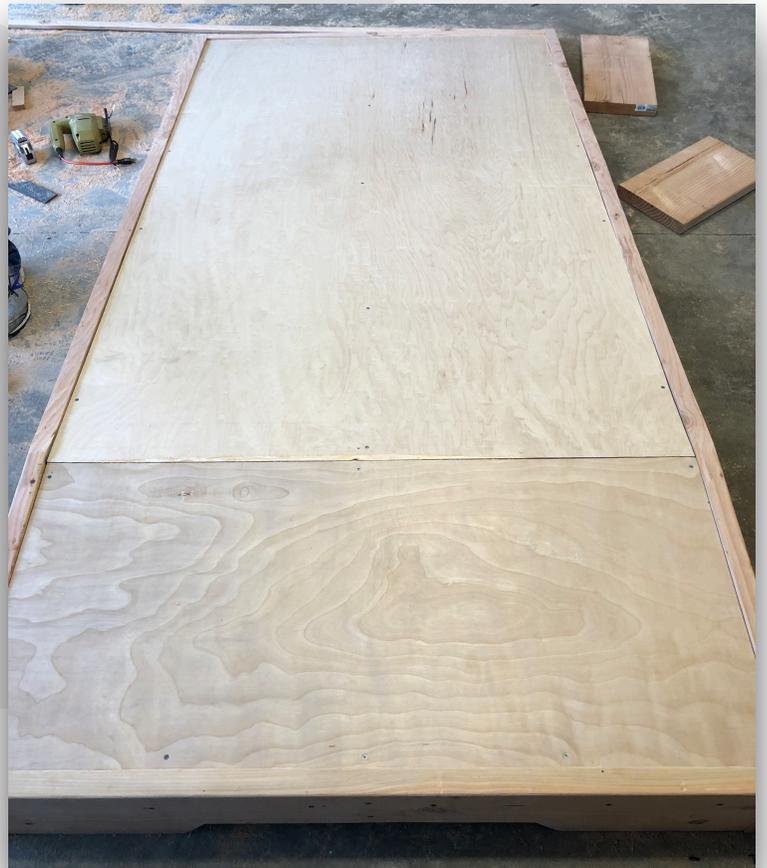


- Next we will attach the bracing for the end of the mound. We have used two options, 3/4" x 3/4" strips or a 1" x 6 or 8" board. We have found both work well. Using the 3/4" strip will save on needing to purchase another piece of wood.
- If using the 3/4" strip, you will probably need to attach it before screwing in your lowest 2" x 4" cross brace board. We also recommend pre drilling your screw holes to stay away from cracking.





- Now for the decking. Attach your 2' x 4' sheet to the top deck where your pitching rubber will go. Screw down using your 1-1/2" screws.
- For the slope of the mound, measure your lengths and cut them from your full sheet of plywood or OSB. Screw down in as many places as needed.
- Be sure to check all your edges to make sure you have your 1/4" spacing left for the rubber top.



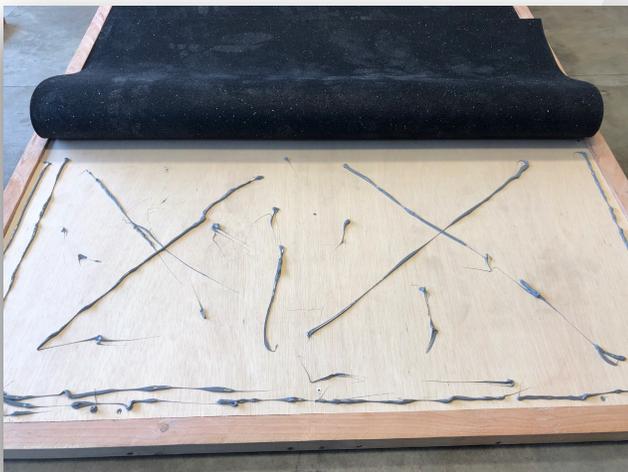


- Now let's drill the holes for the pitching rubber spikes. Find the center point from side to side for your center spike and make a mark.
- Measure approx. 17-1/2" from the back side of the mound to find the spot for your center spike. Match it with the center point mark.
- Now screw in the spikes to your pitching rubber and place it on the mound on its side so the spikes are leaning on the wood. Measure to make sure the side spikes are 17-1/2" from the back of the mound and make your marks.
- Now take your 5/8 bit and drill your holes. The center hole should be drilled down into the center support board if aligned correctly.





- Last steps!! Roll out your rubber to ensure proper fit (remember it is flexible) and cut off extra if necessary. We use a box cutter and straight edge for a straight cut.
- Once the size is right, roll up the bottom two or three feet and apply your glue.
- From there lay back down those bottom few feet and pull back the rest of the rubber.
- Apply your glue for a few more feet, roll down the rubber on the glue and repeat until fully glued down.
- Once the rubber is laid, cut out the holes for the spikes.
- You may need to place some heavy objects on your edges that have some lifting until your glue sets.
- Give the mound approx. 24 hours to dry and you are good to go!





BASEBALLDUDES.COM