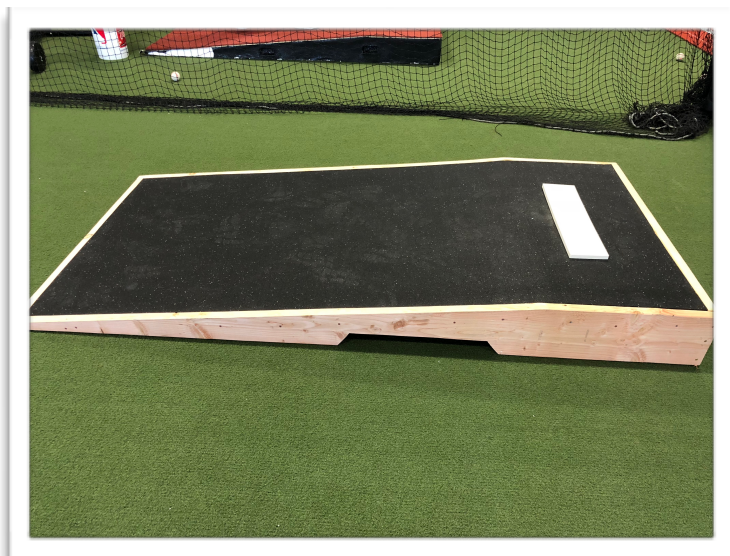


BASEBALL DUDES

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.

Wood:

2" x 10" x 10' = 3

2" x 10" x 8' = 1

1" x 6" x 4' = 1

Ply-Wood:

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

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

Sand Paper

Screws:

2 1/2" Deck Screws = Approx. 30

1 1/2" Wood Screws = Approx. 20

Angle Iron:

48" (4 feet) = 8-10

Silicone = 1 tube or enough for 1 four foot long strip.

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

Rubber Top/Platform:

1/4" cut to preferred length.

**We got ours from a local farm supply store. They are able to cut it to a specific length.

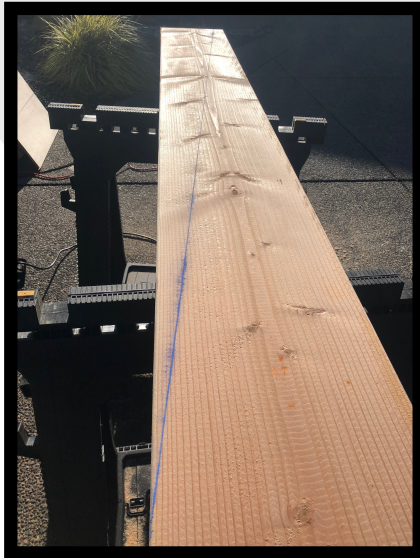
3 Spike Pitching Rubber = 1

**Amazon or a local sporting goods store.



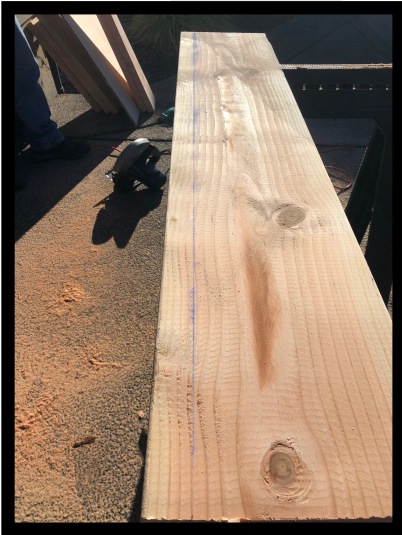
First cuts and measurements...

- Determine how long you want the slope to be (pictured is an 8 foot mound).
- Cut two of the 2x10x10's to your desired length for the side walls (keep in mind the 2 inches for the front cross support and the back wall but the board).
- Cut the third 2x10x10 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 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.



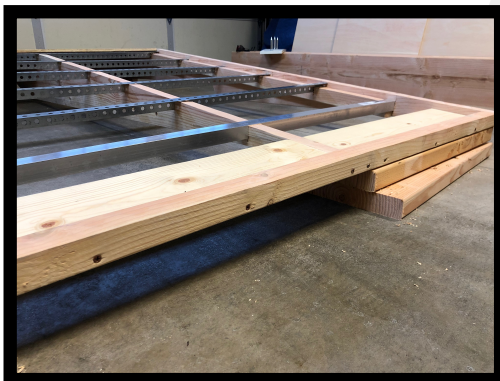
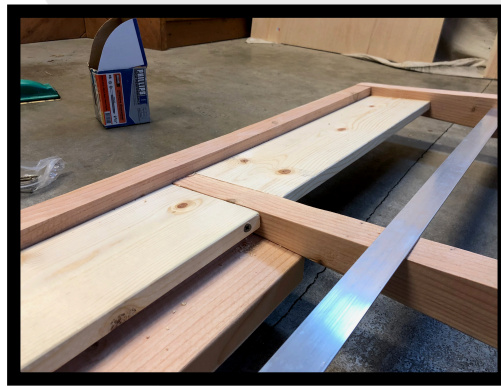


- Cut the 2x10x8 into two 4' long pieces. One for the back wall and the other for the front cross support. **These pieces will fit inside the outer walls.
- Take one of the 4 foot pieces and cut a strip off for the front cross support. This piece will need to have the same dimensions/slope as the ends of your outer wall boards.
- Next come the cut-outs for the handles. We made 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.



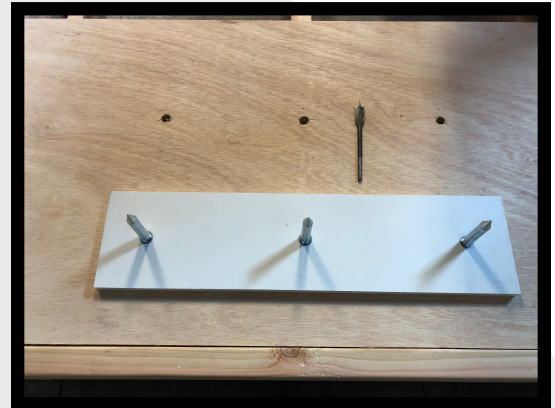
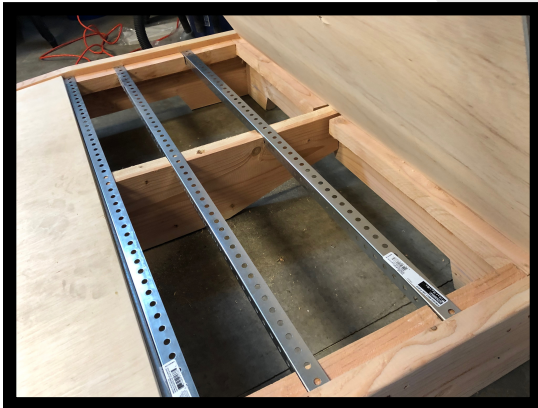


- Next lay out your cut pieces/frame, make sure everything fits, angles are square and the middle support is set middle on both ends. Start screwing it together with your 2 1/2" screws.
- Next take the 1" x 6" x 4' and cut it into two pieces that fit each side of the middle support board for support at the toe. **These may be different measurements. Screw them in level with the middle support board leaving 3/4" for the ply-wood and rubber.
- Now come the supports for the angle iron. Get the extra 4' long piece that you stripped off the front cross price from and cut off two 4' x 2" pieces.
- Cut notches every 12" for the angle iron to fit in (same measurements on both pieces). You should be able to fit 5 pieces of angle iron on these pieces. One on each and then three (one every foot) along the length.
- 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.
- For the notches in the middle support board, measure from the end of the mound up the slope to find the distances for the side notches (side notches should be identical) and mark the middle support board at the correct location for cuts.



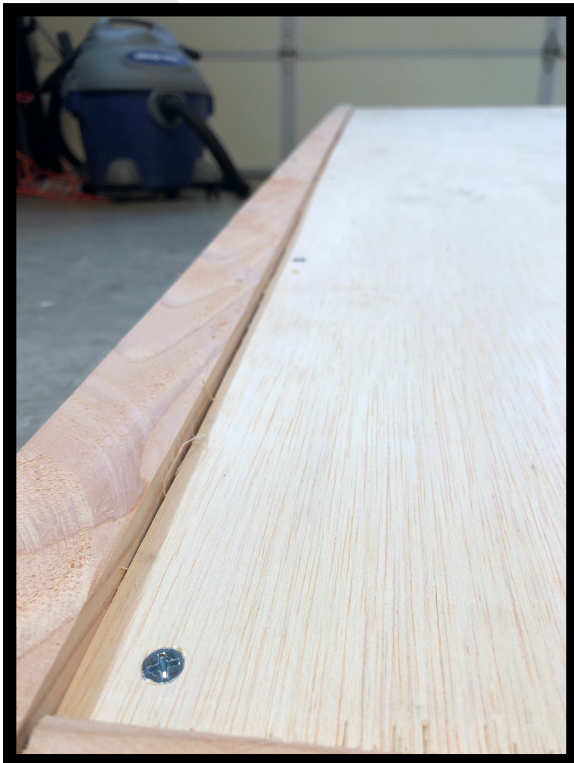


- Get your 4' x 8' ply-wood, measure the length of platform you need/have cut the side and middle boards for, and cut it to fit.
- Now we need more rails for the top platform and the top foot of the slope. We used the scrap pieces from the handles to cut these pieces. Get your measurements around the edges and make your cuts.
- Find your locations for your angle iron, take your measurements and make your cuts. Same process as the slope.
- Now you can attach all of your support rails with your 2 1/2" screws leaving the 3/4" space for the ply-wood and rubber.
- Now fit in all of your angle iron pieces and lay down your platform. If there are any tight corners you may need to do some sanding/scraping to make them fit.
- Now find the location for your pitching rubber, make sure the holes for the spikes are squared, level and centered (we place our spike holes 9' from the point where the two pieces of ply-wood meet).
- Use a 5/8 bit for these holes.





- Now that everything fits properly and is in place, it's time to secure the platform. Go around, drill you holes and put in your screws.
- Apply a line of silicone in the crack between the pieces of ply-wood to prevent rubbing/ squeaking.





- Roll out your rubber to ensure proper fit (remember it is flexible) and cut off extra if necessary. We use scissors for a straight cut and that's all we have access to (a box cutter didn't make as clean of a cut).
- Once the size is right, roll up the bottom two or three feet and apply your liquid nails.
- From there lay back down those bottom few feet and pull back the rest of the rubber. Apply your liquid nails for a few more feet, roll down the rubber on the glue and repeat until fully glued down.
- Be sure to keep a little left in the tube as you will use it for the middle spike hole for the rubber.
- Once the rubber is laid, cut out the holes for the spikes, fill the middle hole with the remaining liquid nails and put the rubber down.
- Give the mound approx. 24-48 hours to dry and you are good to go!

