

**HABITAT FOR HUMANITY OF GREATER TETON AREA  
WOMEN'S BUILD 2021  
Take Home Bird Feeders**

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Materials Provided in Kit

1. Wood for bird feeder
2. Wood glue
3. Nails
4. Sandpaper
5. Hose clamp
6. Bird Seed
7. Bear safe installation instructions
8. Habitat goodies

Tools You Need to Have

1. Hammer
2. Wood glue applicator (cardboard works great)

3. Empty glass container for bird seed (a wine bottle works well)

## **Building Bird Feeder**

Step 1: Lightly sand wood in bird feeder kit. This is easier to do before assembly.

Step 2: Build the front.

- You need: nails, wood glue, and the 6" piece and both 3  $\frac{5}{8}$ " pieces



- Wood glue one end of each 3  $\frac{5}{8}$ " piece of wood
- Tip: Have a wet rag nearby to wipe off excess wood glue. The glue is very easy to wipe off when still wet. Once it has dried, it doesn't come off easily.
- Nail through the 6" piece of wood, into the ends of each 3  $\frac{5}{8}$ " piece, making sure the edges are all lined up. (Place the nail in the predrilled hole as a guide)



### Step 3: Attach Pieces to Base

- You Need: The base (the square piece of plywood. It is labeled Front & Back), the three pieces you just assembled in step 2, wood glue, and nails
- Wood glue the whole bottom side of the previously assembled front.
- Then place the base on top of that, so the side labeled “front” is flush with the front of your birdfeeder.
- Hammer nails through the base into the assembled front pieces (There are pre-drilled holes to guide you).
- Once complete, set aside and let the wood glue dry



#### Step 4: Assemble the Back

- You Need: The two longest pieces. They have angled cuts on them, the  $4 \frac{5}{8}$ " pieces (the only small piece remaining), wood glue, and nails.
- The long pieces form the two sides of your birdfeeder. The way they should be laid out is so the angled section is the top of the birdfeeder. It should also be the longest side is the inside and the shortest side is the outside of the bird feeder.
- The short piece ( $4 \frac{5}{8}$ ") forms the back/divider between both sides. Both ends of this piece are glued and then nailed to each side.
- If you look at each long piece, there should be two pre-drilled holes. After gluing one end of the  $4 \frac{5}{8}$ " pieces, line it up so that it is flush with the side of one of the long pieces (remember it should be lined up with the longest side of the long pieces, which is the inside). Then nail.
- Repeat on the other side.



#### Step 5: Assembling the Roof

- You Need: The last two remaining pieces, wood glue, and nails
- Glue both angled cuts
- Line the angled cuts together to form a 90 degree angle
- Nail together, one nail from each direction through the predrilled hole



### Step 6: Nailing the BackBoard On

- You Need: The plywood backboard (shaped like a house), the three pieces you just assembled in Step 4, wood glue, and nails.
- Before gluing or nailing, it is helpful to see how the back piece will line up with the rest of the birdfeeder.
- To do this, line up flat on the table, the assembled sides and the roof. Then place the plywood on top so that it lines up at the top and doesn't overhang. Then slide the roof piece out (you can put this away, you won't use it for a little while) and mark where the sides are on the plywood.
- Note: It should overhang a little at the bottom. It is worth checking that it won't hang past the base. You can do this just by setting that whole assembly on top of the base (assembled in Steps 2 & 3).
- Wood glue the entire back section of the side pieces you assembled in Step 4.
- Place the plywood piece back on, lining it up with your marks you made
- Once you are satisfied with how it lines up, nail through the predrilled holes in the plywood into your assembled pine pieces.



### Step 7: Putting the Back and Bottom of the Bird Feeder Together

- You Need: Both the back and bottom pre assembled pieces, wood glue, and nails.
- Wood glue the bottom of the back of the bird feeder that you just assembled.
- Line it up onto bottom of bird feeder
- Nail through the bottom piece of plywood into the back of the birdfeeder
- Tip: It is easiest to do this when it is on its side
- At this point, your bird feeder should resemble the last picture below.



### Step 8: Attaching the Roof

- You Need: The roof piece you had put aside, the rest of the birdfeeder, wood glue, and nails.
- Wood glue the angled cuts of the side pieces of the bird feeder and the remaining top perimeter of the back piece of plywood.
- Line the roof piece onto the side pieces and so that it is against the back piece of plywood.
- Nail down the roof piece through the pre-drilled holes into both side pieces.
- Then lay the bird feeder down and nail through the plywood back into the roof piece.
- Smile big, the hard part is over!
- Tip: There should be some extra nails in your kit. If you feel like your bird feeder is flimsy at any point or not staying together, add some extra nails for strength



### Step 9: Threading the Hose Clamp

- You Need: Your birdfeeder, the hose clamp, and a screwdriver
- Undo the screw on the hose clamp so that it can completely open
- Thread it through the two slots in the back of your birdfeeder so that the part where the screw threads is hidden in the back and the main loop is in the front
- Reconnect the hose clamp
- Rethread the screw, until the hose clamp begins to tighten



### Step 10: Adding the Bottle of Bird Seed

- You Need: your bird feeder, bird seed, and a glass bottle of some kind
- Fill your bottle with bird seed
- Tighten the hose clamp to be a little looser than the size of the bottle
- Flip the bird feeder upside down and slide the bottle in, so that the opening of it sits on the bottom of the bird feeder.
- Carefully flip the whole feeder and bottle right side up
- Tighten the hose clamp, holding the bottle up a little until seed can come out.



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YOUR BIRD FEEDER IS NOW COMPLETE!  
PAINT/DECORATE HOWEVER YOU'D LIKE AND SHOW US YOUR FINISHED PRODUCT!