



## Cornhole Set

# PROJECT PLAN

**Skill Level:** Intermediate

# Materials

Item	Qty
24" x 48" Plywood*	2
2" x 4" x 8" Lumber*	4
1lb. Box 1-5/8" Deck Screws	
1lb. Box 3" Deck Screws	
1/2"x4" carriage bolts with washers & nuts	4 each
Wood Putty	
Paint & Paint Roller	
Compass	

\* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

\*\* Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.

Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper.

Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.

A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

# Tools Used



Miter Saw



Drill/Driver



Jigsaw



Orbit Sander



20V 4.0Ah Battery



Tape Measure



Drill Bits



Safety Glasses



Carpenter Pencil

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

# Assembly Instructions

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## Step 1

Take your 2x4x8 piece of plywood & make cuts. Cut (4) 48" pieces with your HART 10" Compound Miter Saw. Cut (4) 21" pieces with your HART 10" Compound Miter Saw. Cut (4) 11-1/2" pieces with your HART 10" Compound Miter Saw.

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## Step 2

Take (2) of the 48" pieces and (2) of the 21" pieces and lay out in a rectangle, with the 21" pieces placed on the inside edges of the 48" pieces.

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## Step 3

Align the edges & drill pilot holes with a 1/8" drill bit through both pieces.

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## Step 4

Using a 3" screw, fasten together with 2 screws through each. Then repeat on the other side.

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## Step 5

Place your 2x4 pieces of plywood on top of the 2x4 wooden rectangle frame.

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## Step 6

Using the 1 5/8" screws, fasten the plywood to the rectangular frame. Pre-drill to prevent splitting.

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## Step 7

Measure down 9" from the top and 12" from the side and mark. This will be the center of the hole. Using a compass, draw a 6" circle from that point.

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## Step 8

Using a 1/2" drill bit, drill a hole in the center of the circle. Then, using your HART 20V Jigsaw, cut out the 6" circle.

## Step 9

Using your HART 25' Magnetic Autolock tape measure, measure down 1  $\frac{3}{4}$ " from the end of the 2x4x11.5". 13. From that side, measure over 1  $\frac{3}{4}$ " and mark.

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## Step 10

Using a compass set at a 1  $\frac{3}{4}$ " radius, make a 3  $\frac{1}{2}$ " half-circle, creating a rounded end to the 2x4.

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## Step 11

Cut the end of the 2x4 with your HART 20V Jigsaw.

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## Step 12

Using a  $\frac{1}{2}$ " drill bit, drill through the 2x4 where the mark was from the compass.

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## Step 13

Lay the box upside down and place the 11  $\frac{1}{2}$ " 2x4 centered against the inside of the frame. Use a clamp or hold the 2x4" in place.

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## Step 14

Using the same  $\frac{1}{2}$ " drill bit, drill through the frame of the cornhole board. Repeat for other side.

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## Step 15

Place your  $\frac{1}{2}$ "x4" carriage bolts through both holes and tighten with washers and nuts. Repeat for other side.

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## Step 16

Using your HART 20V Random Orbit Sander, sand everything smooth.

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## Step 17

Paint as desired. Let dry and enjoy!