

ART EASEL

DIFFICULTY: **MEDIUM**



4 VOLUNTEERS



4 HOURS

MATERIALS

PREP

(3) 1x3x8ft boards

(1) 2x4ft Marker Board

(1) 1"x48" pine dowel

BUILD

(4) 1x3x48" pieces

(2) 1x3x24" pieces

(2) 1x3x14" pieces

(2) 23"x23" pieces of
marker board

(1) 1"x36" dowel

(1) roll of art paper (12" long
to 23" long)

(2) 4" strap hinges

1lb of .75" #10 wood screws

1lb of 1.25" #8 wood screws

(10) small washers

Tools listed on page 2

PREP LIST

1. Sort all materials into piles by like items to ensure you have materials needed to complete project.
2. Take [2] of the 1x3x8ft boards. Cut each into [2] 1x3x48" pieces, for a total of [4] 1x3x48" pieces.
3. Take the remaining 1x3x8ft board. Cut into [2] 1x3x24" pieces and [2] 1x3x14" pieces.
4. Take the 2x4ft marker board. Cut out [2] 23"x23" marker board pieces.
5. Take the 1"x48" dowel. Cut it down to a 1"x36" dowel piece.
6. Art Easel Slots: Take the [2] 1x3x14" pieces that you have already cut. Measure 3/4" in from one of the 3" ends and create a pilot hole. Use a jig saw to cut out a 1/8"-wide slot.

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TOOLS

PREP

Miter saw

Circular saw (optional)

Jig saw

Chalk line

Pencil

Tape measure

Safety goggles

Carpenter's square

Drill

.25" drill bit

BUILD

Safety glasses

.25" drill bit

1/8" drill bit

1.25" hole saw drill attachment

Sandpaper

Tape measure

Screwdriver bit (to fit with wood screws)

Pencil

BUILD LIST

1. Sort all materials into piles by like items to ensure you have materials needed to complete project. 
2. Line up 2 of the 1x3x48" pieces end to end. These will be the legs of your easel. Lay a strap hinge across the butted ends, allowing space for the hinge knuckles. Attach the hinge with .75" screws. Repeat this for the other pair of legs. 
3. Stand both sets of legs up, placing the sets about 2ft apart from each other. Find midpoint of each leg by measuring up/down 24". Line up a 24" cross-brace across the face of the legs so ends are flush with outer edges of legs. The top of the cross-brace should be at midpoint mark. Repeat step 3 on the other side of the easel. 
4. Attach the 1.75" Hole Saw Attachment to drill. Find center of each 1x3x14" piece (2 pieces per easel). Use hole saw attachment to cut out a circle in the exact center of each piece. 
5. Take the 14" side brackets and measure .75" from opposite side of the slot. Use the .25" drill bit to pilot a hole centered on this .75" line. 
6. Spread easel legs so side brackets are flush with ends of the cross braces. Insert a 1.25" screw through small pilot hole. Place a washer on the screw, and drive the screw into the leg of the easel. (The washer should be between the left and side bracket.) Make sure screw is loose enough to pivot. This will ensure easel legs can be adjusted. 
7. Drive screw directly into opposite leg and leave about .75" of screw sticking out - the slot on side bracket should slide over this screw. Attach side bracket on opposite leg. 
8. Position marker board over legs, bottom aligned with top of cross brace. Use a 1/8" drill bit to pilot holes into the four corners of board and legs. Attach board through these holes using the 1.25" screws. Slide the dowel through hole in one side bracket, through paper roll, and out the other side. 