

LITTLE LIBRARY

DIFFICULTY:
VERY COMPLEX

 3 VOLUNTEERS

 5 HOURS

MATERIALS

PREP

- (1) 4x4x8ft board
- (1) .5"x4x8' sanded plywood
- (1) 2x6x8ft board
- (1) 3x4' Plexiglas sheet

BUILD

- (2) 12"x27 1/8" plywood pieces
- (2) 22"x11.5" plywood pieces
- (2) 21 1/8"x19" plywood pieces (one with a window cut out)
- (1) 18.5"x16 1/8" plywood piece (with window)
- (1) 10.75"x19" plywood piece
- (1) 4x4x60" piece
- (2) 4x4x10.75" pieces
- (1) 2x6x19" piece
- (1) 13"x15" Plexiglas
- 2lbs 1" deck screws
- (6) 2.5" lag screws
- (4) 3" lag screws
- (2) 3" hinges
- (1) latch
- (1) small wood glue bottle
- (2) 80lb bags concrete

Tools listed on page 2

PREP LIST

- Sort materials into piles by like items to ensure you have materials needed to complete project.
- Take the 4x4x8ft board. Cut into (1) 60" piece and (2) 10.75" pieces.
- Take 2x6x8ft board. Cut into one 19" piece. You can use the remaining wood for another project.
- Take the 4x8' plywood board. Cut, according to the diagram, (2) 19"x21 1/8" pieces, (2) 12"x27 1/8" pieces, (2) 22"x11.5" pieces, (1) 19x10.75" piece, and (1) 18.5"x16 1/8" piece. Use the chalk line to help mark each measurement.
- Take the Plexiglas sheet. Measure out [1] 13"x15" piece. Place tape over the measuring lines on both sides of the Plexiglas to make cutting smoother. Cut using the circular saw.
- Angled Cuts: Take (2) 4x4x10.75" pieces cut in step 2. Set miter saw to 45° and cut angle off of both sides, creating (2) 4x4x10 3/4" trapezoids. Take the (2) 12x27 1/8" plywood pieces cut in step 4. Measure 6" down and 6" in from one end of each. Draw lines to create a sharp point. Using the miter saw, cut along those lines to create (2) picket-shaped 12"x27 1/8" pieces of plywood. Take 1 of the 19"x21 1/8" plywood pieces cut in step 4. Measure a 16.5"x14 1/8" window in the center of the plywood piece. Using the drill with small drill bit, drill a hole along the inside edge of the window measurement. Use the hole as a starting point for the jigsaw, and cut out the 16.5"x14 1/8" window.
- Take 1 of the 16 1/8"x18.5" plywood pieces cut in step 4. Measure a 11 1/8"x13.5" window in the center of the plywood piece. Using the drill with small drill bit, drill a hole along the inside edge of the window measurement. Use the hole as a starting point for the jigsaw, and cut out the 11 1/8"x13.5" window.
- If the Little Library will be painted, prime all sides and edges of the plywood pieces.

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TOOLS

PREP

Miter saw

Circular saw

Jig saw

Drill with small drill bit

Painter's tape

Tape measure

Chalk line

Pencil

Carpenter's square

BUILD

Tape measure

Pencil

Drill

.25" drill bit

1/8" drill bit

Screwdriver bit

Safety glasses

BUILD LIST

1. Sort materials into piles by like items to ensure you have materials needed to complete project.
2. Use 1" deck screws to attach side panels (12"x27 1/8") to the floor panel (10.75" x 19"). Be sure the side panels are centered on the floor panel.
3. Next attach the back panel (21 1/8"x19") to the floor panel and side panels. The back panel will fit inside of the two side panels.
4. Next use small screws to attach Plexiglas panel to front window panel (18.5"x16 1/8"). Pre drill the holes to help prevent Plexiglas from cracking.
5. Attach the front window panel with Plexiglas to the front panel (21 1/8" x 19") using the small hinges provided (where the red circles are). Be sure that you are spacing the hinges appropriately so that the window panel covers the entire hole on the front panel.
6. Attach the front panel you just built to the Little Library using the 1" deck screws.
7. Attach 1 of the 2 roof panels (22"x11.5") to front of Little Library using the 1" deck screws. Attach the 2nd roof panel (22"x 11.5") to the back half of the little library using the 1" deck screws.
8. Building the stand. That the 4x4x5' post and center it on the 2x6x19" board. Then attach the two 4x4x10.75" trapezoid braces to opposite sides of the 4x4x5'. Attach the trapezoids using the 3" lag screws provided. Pre-drilling holes will make this easier.
9. Flip the stand over and attach the Library to the stand using the 2" lag screws provided. Pre-drill holes to make this easier.
10. Dig a hole that is 2' deep and roughly 6" wide. Concrete the Little Library in place with 1-2 bags of concrete.
11. Paint as desired.