# Build a Kids Storage Box

## PROJECT OVERVIEW

Parents will appreciate the ingeniousness of this double-duty storage unit/chalkboard. Besides stashing toys, the unit lets kids' imaginations run wild in a litter-free, paperless way. Chalkboard paint makes it a snap to turn any surface into a doodling board. Note: This unit is NOT designed to be freestanding. It must be placed against a structure or fence.

## TOOLS AND MATERIALS CHECKLIST

<table>
<thead>
<tr>
<th>Tools</th>
<th>Materials</th>
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<tbody>
<tr>
<td>Table saw</td>
<td>1-1/2” #8 woodscrews (approx. 50)</td>
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<tr>
<td>Dado blade (optional)</td>
<td>1-1/4” 18-gauge brad nails (approx. 100)</td>
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<tr>
<td>Compound mitre saw</td>
<td>18-gauge brad nails (approx. 100)</td>
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<tr>
<td>Corded or cordless drill</td>
<td>4” x 8” sheet &amp; good-one-side plywood (2)</td>
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<tr>
<td>#8 countersink</td>
<td>2” x 4” x 8” cedar (5)</td>
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<tr>
<td>drill bit</td>
<td>1” x 4”; x 8” cedar (6)</td>
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<tr>
<td>Trim router with guide</td>
<td>4” tongue &amp; groove cedar paneling (3 4-packs)</td>
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<tr>
<td>round-over router bit</td>
<td>Bun feet (4)</td>
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<tr>
<td>Safety glasses</td>
<td>Exterior hinges (2)</td>
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<tr>
<td>Measuring tape</td>
<td>Spring safety hinges (2)</td>
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<tr>
<td>Carpenter's square</td>
<td>1 litre exterior grade primer</td>
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<tr>
<td>18-gauge brad naler</td>
<td>1 litre Rust-oleum black chalkboard paint</td>
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<tr>
<td>foam roller and tray</td>
<td>1 litre exterior grade clear coat</td>
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<tr>
<td>paintbrush</td>
<td>2” painter's tape</td>
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<tr>
<td>Painting gloves</td>
<td>Large bottle outdoor carpenter's glue</td>
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</table>
### Step 1
**BEGIN BY CUTTING**

The pieces that will make up the body of the box from two 4' x 8' sheets of ¾" plywood. One 48" x 68" back; one 18-1/2" x 48" base; one 19-1/4" x 48" face; two 18-1/2" x 19-1/4" sides. To make a hinge support cut a cedar 2" x 4" to a length of 46".

### Step 2
**ASSEMBLE THE BODY**

Assemble the body of your box using carpenter's glue and 1-1/2" #8 woodscrews.

### Step 3
**PRIME AND PAINT**

Prime and paint the bun feet with a light sanding between coats; then, to install them, drill a ¼" centering hole 2-1/2" from the front or back and side in each corner. Attach from inside the box with three 1-1/2" woodscrews.

### Step 4
**PRIME THE EXTERIOR OF THE BOX**

Prime the exterior of the box. Then paint the face and upper panel with Rust-oleum black chalkboard paint; sand lightly between coats.
**Step 5**

**USE TONGUE AND GROOVE**

Cedar to line the inside of the box. Attach with glue and ¼" 18-gauge brad nails.

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**Step 6**

**TO MAKE THE CEDAR SURROUND FOR THE UPPER PANEL**

Rip three 8' cedar 2" x 4" to 2". On the cut face dado a ½" channel 1-3/8" deep, 5/8" from the 2" front edge. Use a trim router with a ¼" round-over bit to finish the front edge. Next cut the two side caps at 68" and remove the 5/8" tongue from the bottom 19-1/4" of each cap where it fits along the edge of the box. With the third piece cut the top cap at 69-1/4" and remove the front and back tongues from 2" on either end to fit between two side rails and cap the corners. Glue and pin the surround using 1-1/4" 18-gauge brad nails.

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**Step 7**

**TO MAKE THE CAP FOR THE TOP EDGE OF THE BOX**

Rip an 8' 2 x 4 to 2-1/2" and centre a 1" dado ¾" deep. Notch the side caps to fit over the 2 x 4 hinge support and mitre the corners to fit the front cap. Glue and pin the cap using 1-1/4" 18-gauge brad nails. Next rip a 2 x 4 from 1-1/2" to ¾" and cut to 45" to cap the back hinge support. Install by gluing and countersinking 1-1/2" #8 woodscrews. To complete the cap cut a piece of 1" x 4" cedar to 45" and install on the upper face using glue and 1" 18-gauge brad nails.

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**Step 8**

**USE TONGUE AND GROOVE**

Cedar to finish the sides and upper face of the box. Glue and pin using ¾" 18-gauge brad nails. To finish the corners cut 1" x 4" cedar to 3/8" thick and rip to 1-3/8" for the front edge and 2" for along the base. To complete the front base rip 1 x 4 cedar to 2" and install on the sides and bottom using glue and brad nails.

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**Step 9**

**TO FINISH THE LID**

Rip a piece of 1 x 4 cedar to ¾" and attach to the edge with glue and brad nails. Complete the lid.

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surface by installing 1 x 4 cedar ripped to 2" and insert tongue and groove panels.

**Step 10**

FILL ALL NAIL HOLES WITH WOOD FILLER
sand and apply clear-coat to all surfaces. Install safety hinges (inside box) to finish.