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Created by Hannah Ashton

Custom trellis build guide



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Materials Required

CLS (Structural timber)
Tongue and groove (for the cladding)
Latch
Hinges and bolts
Wood glue
Screws
Finish

Tools Required

Jigsaw
Mitre saw
Drill
Orbital sander
Ruler, pencil, tape measure
Nail gun or hammer
Table saw
Router

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Step One: Marking and cutting.



Making the main frame pieces

Cut the ends of your pieces to ensure that the ends are straight. Measure one piece at 1.21m and two pieces at 1.80m and then cut them on the mitre saw.



Cutting the horizontal pieces

Clamp 4 pieces together and measure and mark at 1.14m. Cut these on the mitre saw. These will form the horizontal struts for the frame.

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Step Two: Laying out the frame.



Mark the cross sections

Make a mark, for your cross sections, at 0.37m intervals.



Mark the pilot holes

Make two, equally spaced marks, for your pilot holes, for each of the cross sections.

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Step Three: Attaching the frame together.



Drill the pilot holes

Go round the frame and drill pilot holes for the screws to go into.



Counter sinking drill holes

Once the pilot holes have been drilled, go round drilling wider holes so that the screws can be counter-sunk and remain flush with the wood. Once that is done, go around the frame and add the screws to attach everything together.

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Step Four: Attaching battens to the 1st, 2 panels



Cut the cross battens

Use a square to draw a line down the centre of each cross pieces. Cut a 45 degree mitre on the end of the battens and lay them down on the first frame.



Nail down the battens

Nail the battens for the first panel down and then lay out the battens for the second panel, mark the battens at the centre line and then cut a 45 degree mitre on the other side of the batten and nail down.

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Step Five: Attaching battens to the 2nd, 2 panels



Cut the pieces

Cut each of your battens at 45 degrees.



Nail down the battens

Nail down each piece on the 2nd, 2 panels.

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Step Six: Trimming and sanding the edges.



Cutting the battens

Use a jigsaw to go around the outside of the frame to trim the overhang of the battens.



Sanding the edges

Use an orbital sander to go around the frame and smooth out the rough edges.

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Step Seven: Adding the finish.



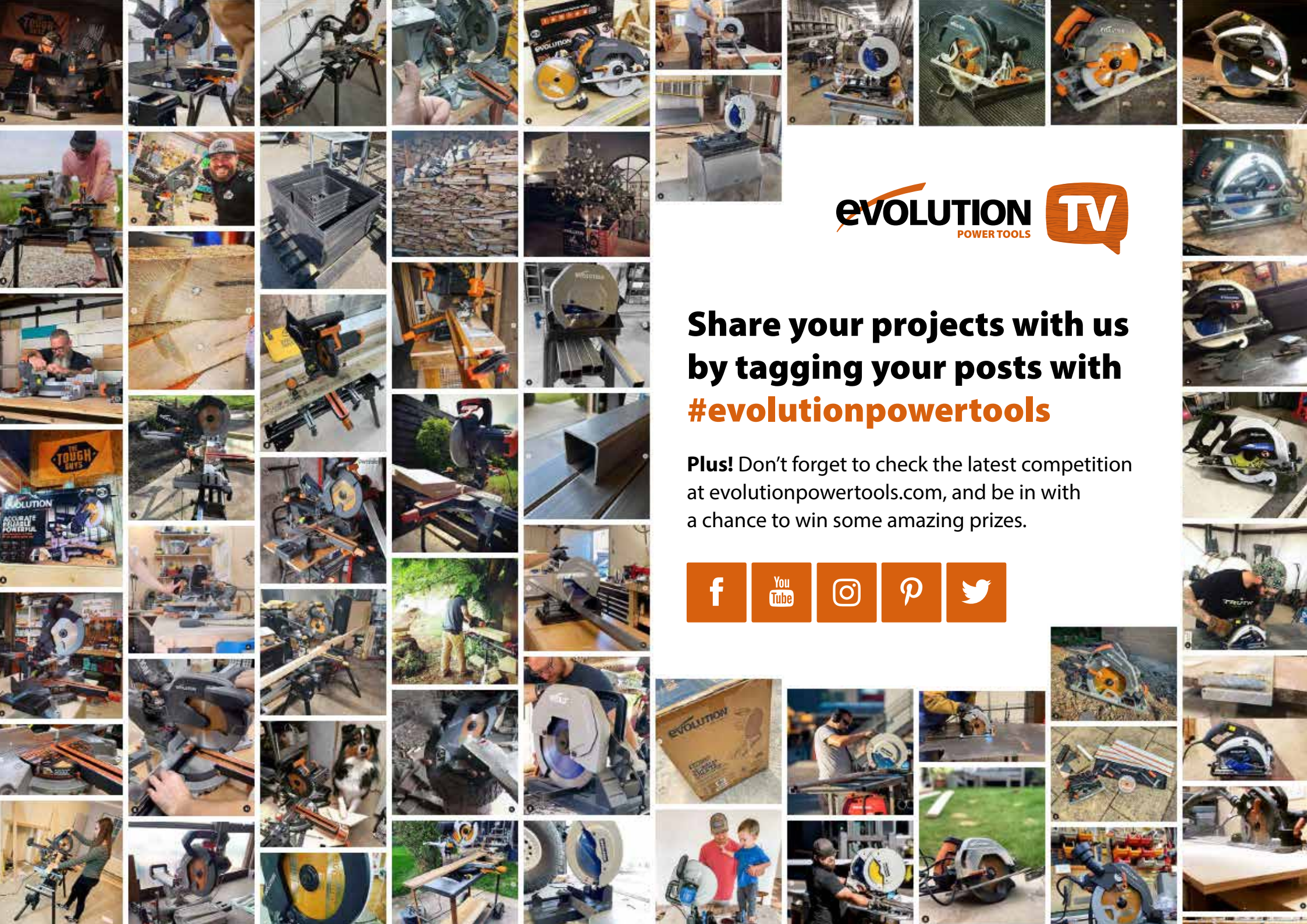
Paint the battens with finish

Add a coat of outdoor finish to the battens. This can be any colour of your choosing.



Cover the rest of the trellis

Continue to paint the whole trellis. Just make sure that you are using a finish for outdoor use.



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