Toy box build project

Workbook and project guide

eVOLUTION® **TV**
POWER TOOLS

Contents

Materials and tools

Materials

Pallet wood: 2x pallet's worth	**Timber:** 25mm x 38mm x 1.8m

Tools

Orbital sander	Ruler
Drill (drill bits)	Screws
Screwdriver	Wax & brush
Tape measure	

Step 1 - Measuring and cutting pallet wood for the sides
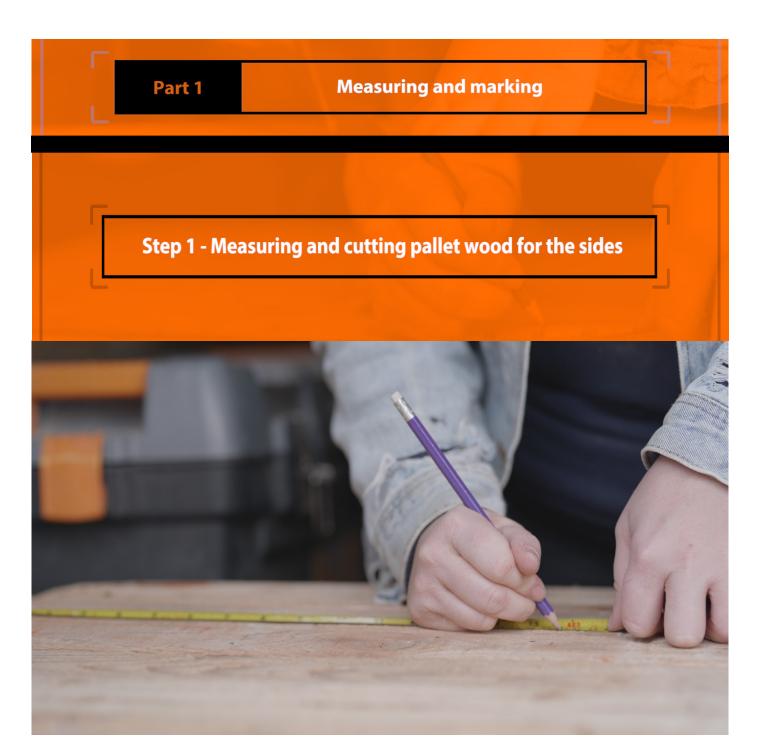

Get your pallet wood together and make a mark, at the top and bottom, of each. This mark should be 40cm from the edge.

Once you have made a mark at the top and bottom of each of your pieces of pallet wood, use a ruler to connect them with a straight line. Use this line to make your cur

on the mitre saw.

Now you have the two sides, you can repeat the process of measuring and cutting, to get the pieces for the front.

This time, measure 80cm from the edge. Make a mark at the top and bottom of each piece of pallet wood and connect together with a straight line.

Once all of your pieces are measured and marked, get them back on the mitre saw to make all of your cuts.

Step 3 - Measuring and cutting pallet wood for the back

You know what to do now. You have your 4 pieces for the front. All you have to do is repeat the process to get the 4 pieces for the back.

Measure 80cm from the edge, mark the top and bottom of each piece of wood and then draw a line to connect your marks.

Once all of your pieces are marked, get back over to the mitre saw to cut all of your pieces for the back.

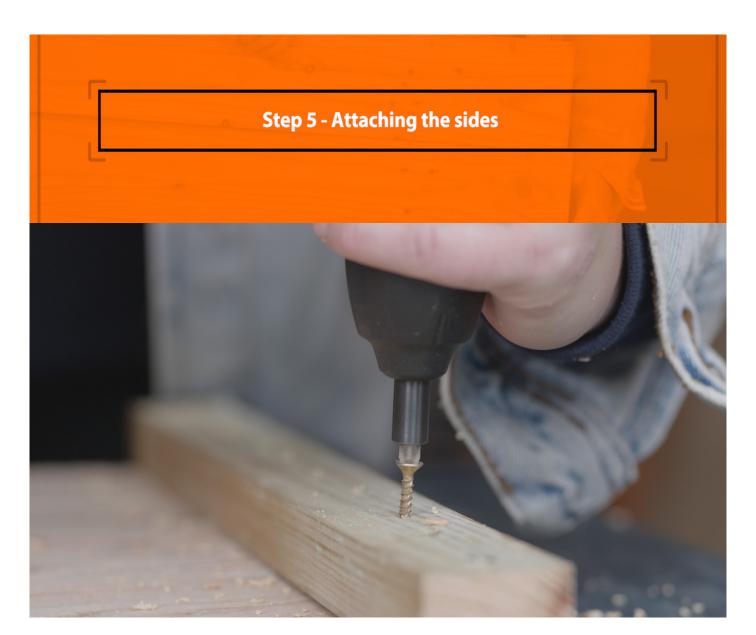**Step 4 - Measuring and cutting the battens for the sides**

All of the sides of your tox box are held together using battens, which are pieces of wood, cut to size, and then attached to all of the sides.

Put all of the pallet wood, for your side pieces, together and measure them. Ours came to 44cm. This means that each batten needs to be 44cm in length.

Measure out 4, 44cm pieces, on the wood you are using for the battens (your length of timber) and draw lines for your saw.

Go back to the mitre saw and cut each of your battens.

It's time to attach your pallet wood to the battens to create the sides of the toy box.

Put all of the pieces of pallet wood, that you have cut for the sides, together and place your battens on either side.

Drill pilot holes through the batten, into the pallet wood. Drill one pilot hole at the top and one at the bottom, of each pallet wood.

Put screws, in each of the pilot hole, that you have drilled, to attach the battens to the pallet wood to make the sides of your toy box.

Once you have done this, you can attach the pallet wood, for the front and back, to the sides, to create the basic shape of your toy box.

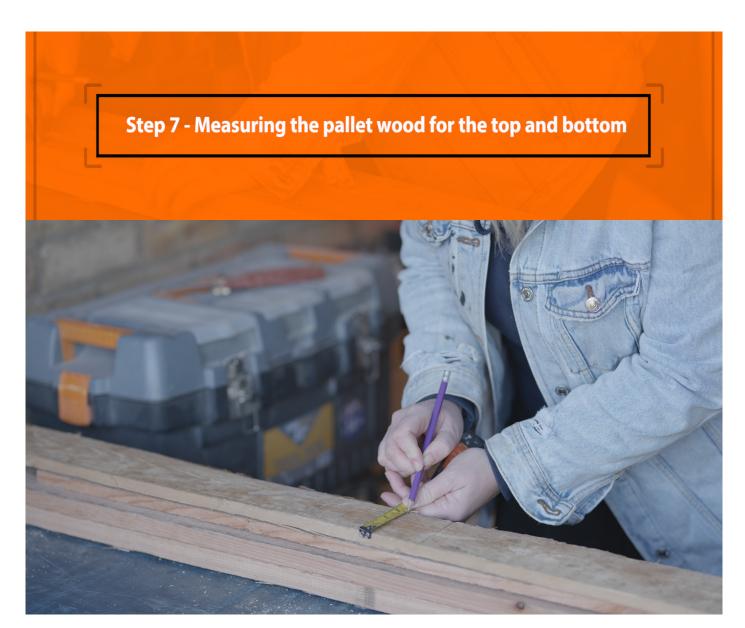**Step 6 - Measuring the battens for the top and bottom**

Now you have your basic box shape, you need to measure the top and bottom so that you know what size to cut the remaining pallet wood.

The length of the bottom of Kayleigh's toy box is 79.5cm so she marks the pallet wood for the bottom at 79.5cm.

The length of the top is also 79.5cm but she is going to add 1cm at each side, and so she will be measuring this at 81.5cm

She also measures 3 battens at 39.5cm, which will be used to hold the pallet wood together.
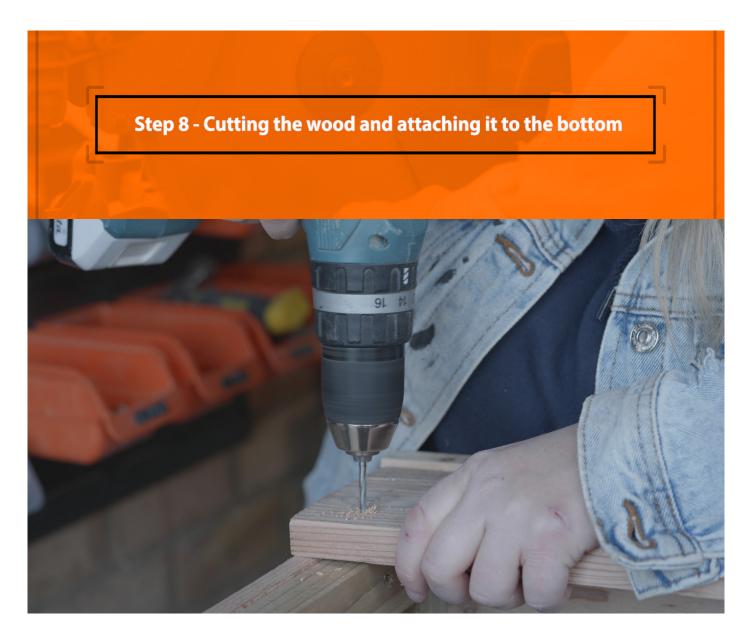
It's time to measure and mark up the pallet wood that will be used to create the top and bottom of the toy box.

Measure out 79.5cm on your pallet wood, make a mark at the bottom and the top and then connect these marks with a line.

Repeat this process for each pallet wood that you have for the bottom. You should have 4 pieces in total.
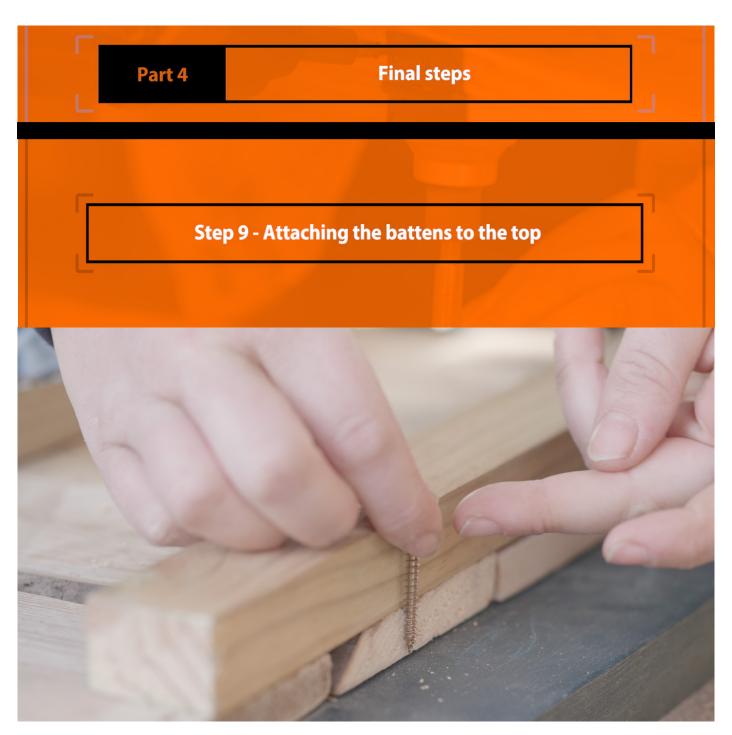
In order to mark up the pallet wood for the top, measure from the line you created, on each pallet wood, for the bottom, at 81.5cm. Make a mark at the top and bottom of each pallet wood and connect with a straight line.

All you need to do now is cut the pallet wood for the top and bottom and attach the pieces to the battens.

Once your wood is cut, lay the pieces for the bottom across the battens and make sure that they are straight.
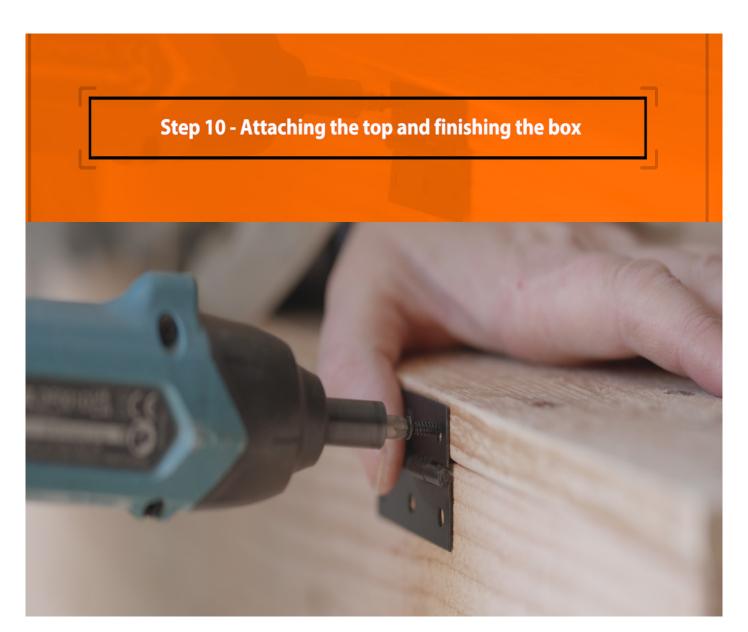
Then all you need to do is drill pilot holes, through the wood and into the battens. One at the top and 1 at the bottom, followed by screws to attach it all together.

Step 9 - Attaching the battens to the top

It's time to put together the top, which will act as the lid of your toy box.

Lay your top pieces out and then put a batten on each side, as well as one in the middle.

Drill pilot holes, through the batten and pallet wood, one at the top and one at the bottom of each pallet wood and attach with screws.

Attach the top using hinges. All you need to do is line up the hinges and put screws through the holes, on both sides.

Finish off the box with some wax and a wax brush. You can also add extras to the toy box, such as a wooden name plate or caster wheels.