

BUILD A KIDS CHALK TABLE

SMILES AND MEMORIES WITH PORTA

Tools you'll need:

- Pocket hole jig kit
- Cordless drill
- Mitre saw
- Jig saw
- Measure
- Square
- Straight edge
- Paint brush
- Safety gear

Timber you'll need:

Profile	Length	Qty
DAR 40x18mm Pine	1.2m	1
DAR 45x45mm Pine	0.9m	2
DAR 45x45mm Pine	1.2m	5
DAR 67x18mm FJ Pine	2.4m	2
DAR 67x18mm FJ Pine	1.8m	2
DAR 300x19mm (Pine or FJ)	1.8m	1
DAR 600x19mm (Pine)	1.2m	1
SQE 30x08mm Tas Oak	2.4m	2
SQE 30x08mm Tas Oak	1.8m	2

With Porta Mouldings' timber products, our new range of children's Porta Projects and a spare afternoon you can build fun, long-lasting toys like this great chalk table.

Made from a radiata pine panels and pine mouldings the table is finished with chalk paint, however the top can be left plain to use for all sorts of play activities.

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TIMBER CUTTING LIST

Part	Material	Cut Size	QTY to be cut
Stools legs	DAR 45x45mm PICL12	230mm	24
Stool rails	DAR 67x18mm PIFJ24	150mm	24
	DAR 67x18mm PIFJ18		
Stools tops	DAR 300x19mm PICL18 (can use PIFJ)	250mm	6
Table legs	DAR 45x45mm PICL09	430mm	4
Table side rails	DAR 67x18mm PIFJ24	1100mm	2
Table end rails	DAR 67x18mm PIFJ18	500mm	2
Table top	DAR600x19mm PICL12	-	-
Table top side trim	SQE30x08mm TOSL24	1200mm	2
Table top end trim	SQE30x08mm TOSL18	616mm	2
Chalk well frame sides	DAR40x18mm PICL12	360mm	2
Chalk well frame ends	Use same piece as above	125mm	2
Chalk well dividers	Use same peice as above	89mm	2
Chalk well base strips	SQE30x08mm TOSL18	400mm	4
Chalk well top frame sides	SQE30x08mm TOSL18	415mm	2
Chalk well top frame ends.	Use same piece as above	145mm	2

KEY: DAR = Dressed All Round, SQE = Square Edge , PICL = Clear Pine PIFJ = Finger Joint Pine, TOSL = Tas Oak



1 PREPARE TIMBERS

Use an electric mitre saw to cut all the legs and rail for both the table stool frames. The table top will be the correct size straight from the shelf but stool tops will need to be cut to size, if you have a sliding compound mitre saw the 250mm squares can be cut with this otherwise use a circular saw and cutting guide rail to cut these. TIP clamp a stop block to your saw's fence to cut multiple identical lengths of DAR timbers.



2 POCKET HOLES

Set up the pocket hole jig according to the manufactures instructions and secure to a work surface. Place the special step drill (provided with the jig) into the drill chuck and position each timber in the clamping device with the rear face facing the drilling sleeves. Drill a pair of pocket holes at each end of each stool rail and one on the in the centre at the top.



3 MARKING OUT

Take each leg piece and mark out the joint positions on two perpendicular faces using one of the rails as a guide. Use the guide piece to mark 18mm in from one selected corner, this corner will be the inside corner of the assembled stool, then mark the next face.



4 SECURE JOINT

Position each rail on the outer side of the markings you have made on the leg tops. The piece can be held in place with the aid of a special clamp that is part of the jig system. Drive one of the joining screws into the remaining hole, remove clamp and drive in second screw. Tip: apply a smear of pva (adhesive) to each end of the rails as you go.



5 COMPLETE STOOL

After forming the two opposite leg assemblies add 2 adjoining rails one set and then add the opposite pair of legs. Place just a single screw in each of the joints initially and then check the stool is square and not twisted before adding remaining screws. Place stool top down on work surface, position and affix frame through the pocket holes in the centre of each rail.



6 MAKE HANDLE GRIP

Measure and mark a line down the centre of the stool top then mark 85mm in from each side. Use a 25mm speed bore drill bit to make a through hole at each of these points. Use a square and pencil to mark lines joining the outer edges of these holes and then cut along these with a jigsaw to form a hand grip.



7 FINISHING STOOLS

Sand all edges, taking off saw marks and sharp corners. Apply a primer undercoat and then 2-3 coats of wash and wear acrylic paint in colours of your choice.



8 ASSEMBLE TABLE

Repeat the construction process to build the table, drilling 2 top mounting holes along the short rails and 3 along the side rails. Fit the top, apply a coat of primer and then mark out the position for the chalk well hole, 405mm long by 135mm wide. Drill 10mm in one corner to allow access for a jigsaw blade then cut the opening.



9 APPLY TABLE FINISH

Apply 2 coats of chalkboard paint to the table top with a small foam roller, once dry finish the table frame with 3 coats of clear shellac, also apply shellac to some lengths of 30x8 tassie oak to be used to trim the table top. Cut and fit trim pieces with pva adhesive and 20mm bullet head nails



10 ASSEMBLE CHALK WELL

Join lengths of basic 40x18pine using 35mm screws driven through predrilled and counter sunk holes to form the frame of the chalk well. Nail 4 lengths 30 x 8mm Tassie oak along the base of the well leaving 3mm gaps between each pieces to form a bottom and trim the top with more lengths of Tassie oak, finish with shellac. Tip: Position top frame with 10mm overhanging the outer edge.

