

Add accessories including a powerboard for tools on a front leg and have a light installed under the upper shelf.

**BEGINNER'S PROJECT**

# All-in-one workbench

Build a multifunctional space for working with basic tools

**DIY > \$270**  
 HAVE IT DONE FOR \$470  
**SKILL > 1 2 3 4 5**  
**TIME > HALF A DAY**

**R**ick Musco built a workbench for his son to house his growing collection of tools and shared the simple design with us. The sturdy 750mm x 1800mm workbench includes pegboard backing for hanging tools and storage on shelves

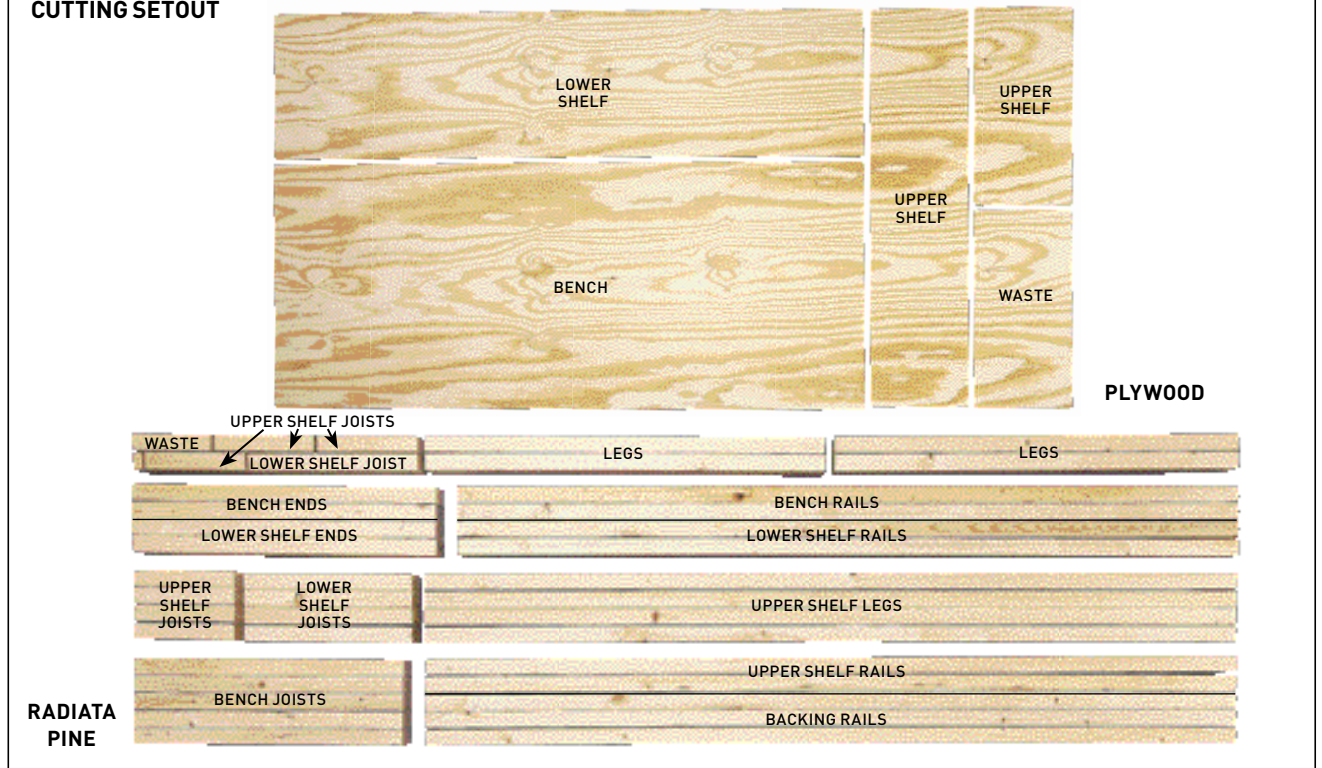
above and below the bench with the lower shelf doubling as a footrest. Make it from 12mm CD plywood and 90 x 45mm radiata pine, cutting the plywood using a circular saw and a straightedge guide. Cut the framing parts with a mitresaw, following the setout to avoid waste.

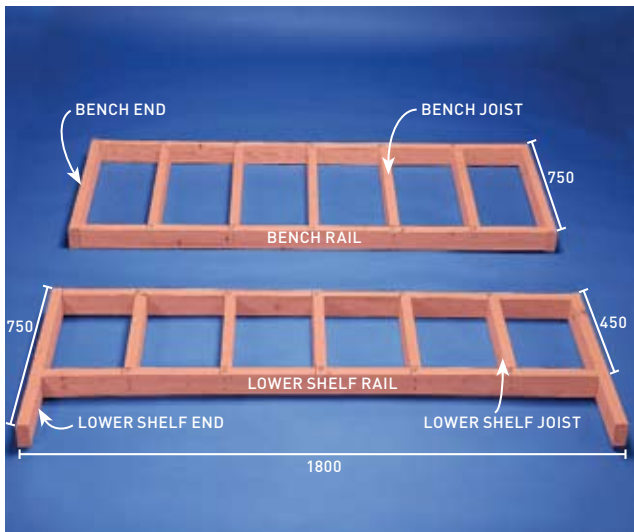
**FASTENERS**  
 The frame is secured with 75mm x 10g screws and the plywood tops are secured with 40mm x 8g screws.



Rick designed and built this bench with his son and sent us the dimensions.

## CUTTING SETOUT

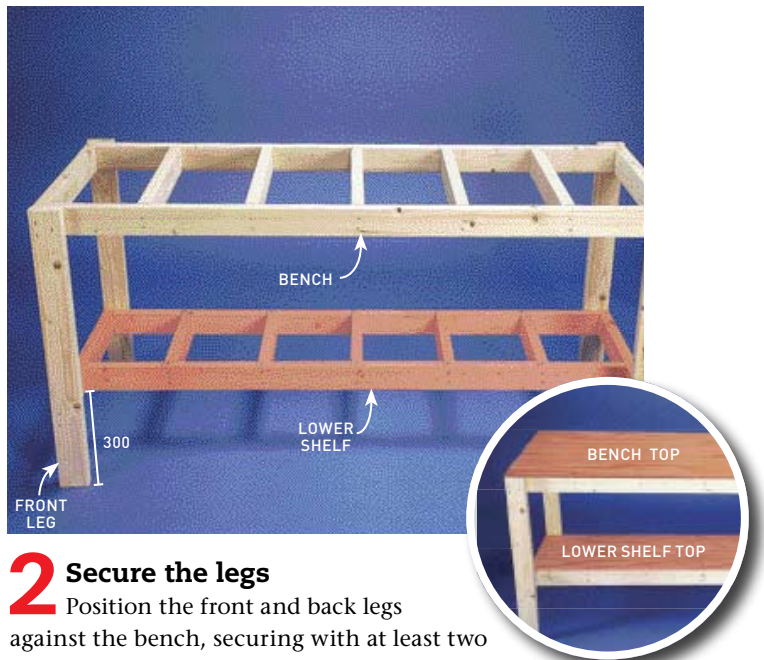




## 1 Assemble the bench and shelf

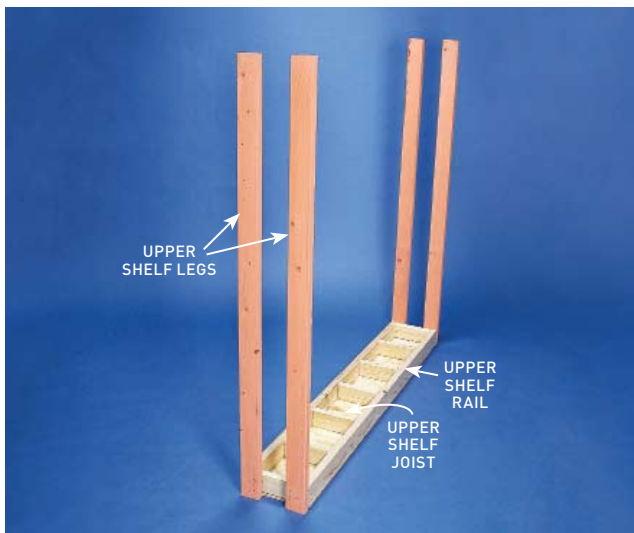
Lay out the bench and lower shelf pieces, butting the bench rails and lower shelf rails against the ends and positioning the joists between them (see Diagram), checking the frames for square by measuring the diagonals and securing the joints with 75mm x 10g screws.

**TIP** Position a try square next to the joint while securing the framework to keep it square.



## 2 Secure the legs

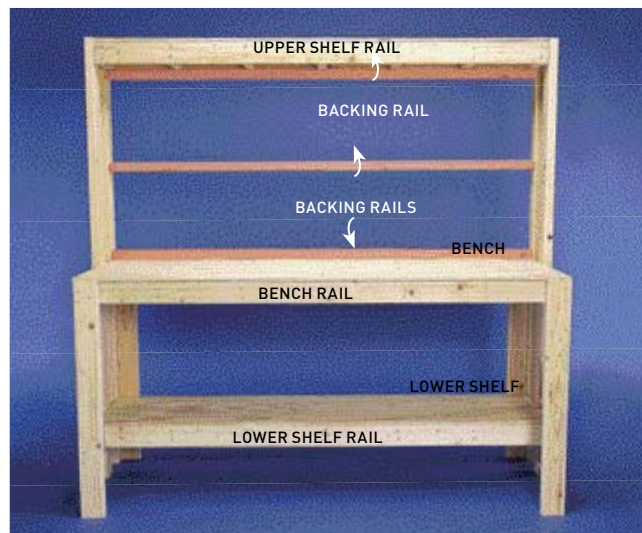
Position the front and back legs against the bench, securing with at least two offset screws in each and using a spirit level to check they are plumb. Turn the bench upright to attach the lower shelf frame to the legs 300mm up from the floor. Use 150 grit abrasive paper to round the edges of the bench and lower shelf tops then secure to the joists with screws.



## 3 Assemble the upper shelf

Assemble the upper shelf, butting the joists, including the ends, against the upper shelf rails and securing with screws. Position the upper shelf top, marking the centre-lines of the joists to secure with two screws into each. Secure the legs and temporarily brace across the base to keep them parallel for attaching to the bench.

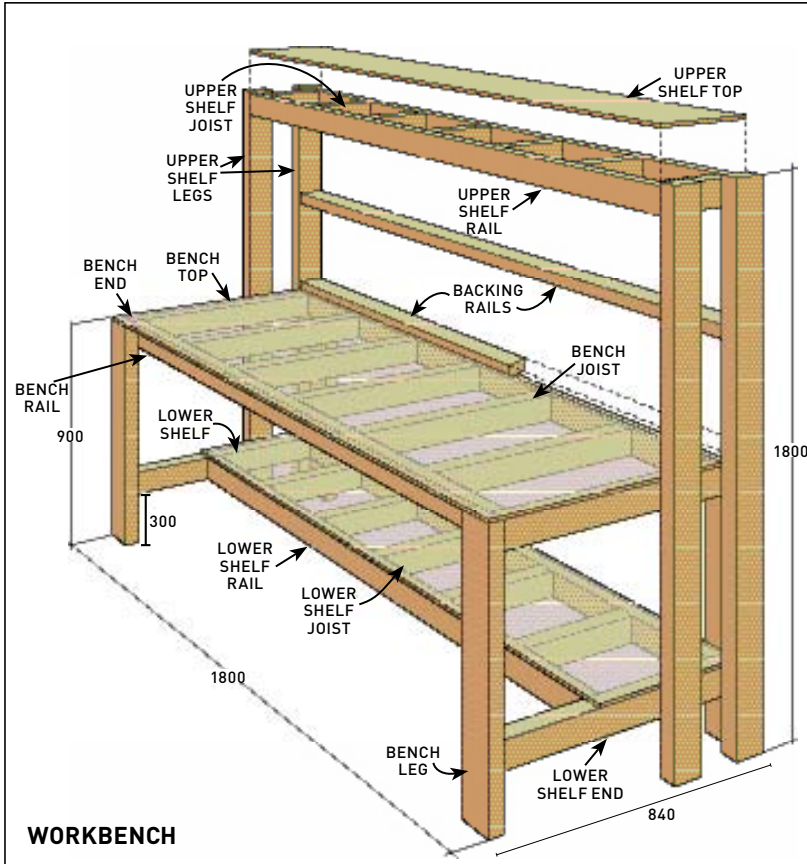
**TIP** Plumb the legs with a spirit level while securing them to the upper shelf.



## 4 Complete the workbench

Position the upper shelf at the back of the bench, securing it to the lower shelf and bench with two screws at each joint then removing the temporary braces. Secure the three backing rails with screws then attach the pegboard with 40mm screws.

**TIP** Have an electrician install a fluorescent light under the upper shelf and set up a power point on the leg for charging batteries and using power tools.



**WORKBENCH**

## CUTTING LIST

(measurements in mm)

PART	SIZE	NO.
<b>PINE</b>		
Bench rails	1710 x 90 x 45	2
Bench ends	750 x 90 x 45	2
Bench joists	660 x 90 x 45	5
Lower shelf rails	1710 x 90 x 45	2
Lower shelf ends	750 x 90 x 45	2
Lower shelf joists	360 x 90 x 45	5
Upper shelf rails	1800 x 90 x 45	2
Upper shelf joists	210 x 90 x 45	7
Upper shelf legs	1800 x 90 x 45	4
Bench legs	900 x 90 x 45	4
Backing rails	1800 x 90 x 45	3
<b>PLYWOOD</b>		
Bench top	1800 x 750 x 12	1
Lower shelf top	1800 x 450 x 12	1
Upper shelf top	1800 x 300 x 12	1

[Handyman.net.au](http://Handyman.net.au)

Download the tools, materials and costs for making this workbench.

# Lufkin<sup>®</sup>

## ULTRA-Tape

### 10X Stronger

**PRO SERIES**

**NEW**



Available In 5m, 8m & 10m



- 1 **ULTRA-Grip™** standard impact & improved grip
- 2 **ULTRA-Compact™** size for smaller & easy storage
- 3 **ULTRA-Lock™** non-slip over-swing toggle lock prevents blade creep
- 4 **ULTRA-Log™** includes Lufkin Log & Super 22 standard blade
- 5 **ULTRA-View™** high contrast print layout, easy to read from any direction
- 6 **ULTRA-Life™** Cool Blade, 18 times stronger than standard cool blade  
Works like tape without a 2' steel reinforcement cool blade

**Tough, Strong & Long**  
**I'm AUSTRALIAN made**

Available from leading hardware stores, tool specialists and industrial outlets or phone 0800 881 088 for your nearest retailer

**COOPER Tools**