

Risk Assessment:

Below is a risk assessment specific to my project including all machines and chemicals required to complete it. I referred to the risk matrix when completing this.

Risk assessment scope

Title of task being assessed: YEAR 12 MAJOR WORK	
Assessment location: BARKER COLLEGE	Assessment date: 4/3/20
Persons completing risk assessment SOPHIA MALTMAN	Signature <i>Sophia Maltman</i>
Describe the activity/ task/ item/ product: Designing & building two timber arm chairs.	
Documents referenced (including manufacturers manuals, standards, codes of practice and any relevant legislation): RISK MATRIX CHEMICAL SAFETY TABLE	

Recommended actions summary

For each proposed risk control, provide a recommended action and allocate a responsible person and time frame in consultation with that person. Completion confirmation is required for each action.

Ref no.	Recommended action	Accountable area	Responsible person	Target completion date	Actual completion date
1	Use the machine guard, keep fingers away from hole & use push sticks when necessary	Table saw	Sophia Maltman		
2	Wear safety glasses & use cutting techniques to minimise flying chips	Table saw	Sophia Maltman		
3	Wear ear protection & use cutting techniques to minimise noise	Table saw	Sophia Maltman		
11	Stand out of the way of machine, ensure its in proper working order before use.	CNC router	Sophia Maltman		
5	Always turn dust extraction on when using machines & ensure its in good working order	Whole workshop	Sophia Maltman		
7	Properly adjust blade guard & keep fingers away from blade	band saw	Sophia Maltman		
10	Keep fingers away from moving bit & use guard.	router	Sophia Maltman		

Review

Control measures have been reviewed and no further risks have been identified? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Are further reviews required? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> When:
Manager/ supervisor name: Phil Burch	Manager/ supervisor signature: <i>P Burch</i> Date: 4/3/20
Record of subsequent reviews.	
Review date:	Description of any changes:

Hazard identification and risk assessment

Ref no.	Hazard description (i.e. wet floor)	Risk description (i.e. slip on floor)	Initial risk rating	Proposed risk controls (i.e. mop the floor and place wet floor hazard signage)	Type of risk control (Hierarchy of controls)	Residual risk rating
1	Table saw	cut hand on spinning blade	2B	- guard above blade - use of push sticks	level 2.	2D
2	Table saw	eye damage from flying wood chips	3A	wear safety glasses	level 2	3D
3	Table saw	hearing damage from loud noise	2C	wear ear muffs	level 3	2D
4	Propping timber	damage to foot	4B	wear enclosed, leather shoes	level 3	4D
5	Dust in air	respiratory issues	2A	use dust extraction	level 2	3D
6	Dust on floor	slip on floor	3C	sweep/vacuum floor	level 3	4C
7	Band saw	cut fingers/hand	2B	- adjust blade guard before use - keep hands away from blade	level 2/3	4C
8	Glue	accidentally ingest	3D	wear gloves	level 3	4D
9	Plane	cut hand on blade	4C	keep hands behind/away	level 3	4D
10	Router	cutting yourself on bit	2B	keep hands away from bit	level 3	2C
11	CNC router	being hit by moving parts	3B	stand away when machine is operating	level 3	4D
12	Laser cutter	eye damage from laser	2B	don't look at laser	level 3	2D
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Safe use of Table Saw

The circular table saw is a machine central to the production of my project. In order to be able to use this machine safely, a safety process was completed. Firstly, safety instructions about the machine were read to understand hazards, personal protective equipment needed and directions of use. Then a safety test was completed to ensure safety knowledge around the use of this machine. A risk assessment was completed to ensure all safety basis' were covered and personal protective equipment was administered. The teacher led a demonstration on safe use of machine and then observed my abilities. As a year twelve student, I am now allowed to use the circular table saw under teacher supervision – making sure that I apply the relevant safety features, PPE and actions to address hazards, minimise risk and work safely.

