

**Technologies (Wood Lathe) – Risk Assessment Template No. 68 (List additional hazards, risks and controls particular to your school using Template no. 74)**

Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Control measures	Is this control in place? Y/N	If no, what actions are required to implement the control?	Person responsible	Date action completed
Contact with moving parts		General injuries Cuts/ lacerations Amputations Entanglement	H	The drive mechanism is appropriately guarded				
			H	The guard is removable only with the use of a tool, or alternatively, is fitted with an interlocking guard mechanism				
			H	The headstock mandrel is protected as required				
			H	The stop control has priority over the start control				
			H	In the event of power supply interruption, automatic restart is prevented after restoration of the power supply				
			H	Appropriate turning tools are used, which are maintained sharp and in good condition				
			H	The stop control is more prominent than the start control to facilitate ease and speed of access when it is necessary to turn off the machine				
			H	The machine is fitted with an emergency stop control (usually red domed mushroom type head on yellow housing) in an appropriate location, which is easily accessible in an emergency				
H	The flap type <sup>[26]</sup> emergency stop control (flap-stop is a normal start and stop contact, which is equipped with a yellow flap and red mushroom-type push buttons, covering both the start and stop contacts) <b>is not acceptable</b> where there is a need for an emergency stop							

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Hazards	Is the hazard present?	What is the risk?	Risk rating H = High M = Medium L = Low	Control measures	Is this control in place?	If no, what actions are required to implement the control?	Person responsible	Date action completed
				Y/N				
Contact by persons other than the operator with moving machine		Entanglement, pinching, amputation of body parts	H	Safe operational areas are marked out clearly around machines				
Ejected material, flying debris and/ or ejected work pieces		Injury, eye injury	H	The work piece is securely fixed in place and any chuck wrench removed				
			H	Appropriate eye protection is worn				

➤ — [26] Flap Type Emergency Stop Control



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Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Control measures	Is this control in place? Y/N	If no, what actions are required to implement the control?	Person responsible	Date action completed
Electric shock, electrocution, burns, death		Electric shock/ fire/burns	H	A visual check is carried out before use				
			H	Machines are serviced by a competent person and service records kept as part of the maintenance schedule				
			H	Defective electrical equipment is clearly identified and labelled as out of use  All faults are recorded in log book Previous faults have received attention  Defects are reported to person in control of workplace to ensure all items are repaired or replaced				
			H	Equipment is only plugged into a circuit protected by an RCD (Residual Current Device) (Applicable to plug and socket arrangements)				
			H	The operation of the RCD is checked by pressing the test button regularly and the RCD is tested periodically by a competent person to ensure that it operates at correct leakage current (leakage current not exceeding 30 mA in a time of not more than 0.3 seconds). (Applicable to plug and sockets arrangements)				
			H	Cables are free from damage, do not have any non-standard joints, or show any signs of overheating				
			H	Equipment is disconnected or isolated when not in use				
Prevention of accidental start-up			H	Equipment is disconnected or isolated when not in use				
Unsupervised use of machines		Unsupervised use leading to injury	H	Students are prohibited from using certain machinery				
			H	Students are supervised by their teacher when using any machine				
			H	Students are instructed by their teacher before using any machine				
			H	Machinery to be used by teachers only is clearly identified				

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Hazards	Is the hazard present? Y/N	What is the risk?	Risk rating H = High M = Medium L = Low	Control measures	Is this control in place? Y/N	If no, what actions are required to implement the control?	Person responsible	Date action completed
Unsecured machine		Movement of machine leading to injury during use	H	The machine is securely fixed to the floor or bench and work piece appropriately secured				
Inadequate signage		Inadequate information and warnings leading to unsafe use of machine and injury	M	Warning signs are prominently located and maintained in good condition				
Ingestion of contaminated material		Poisoning or ill health	M	Food and drink are prohibited in working area				
Contact with hazardous materials		Exposure to hazardous materials	M	Personal hygiene is promoted (washing of hands, use of barrier creams etc.)				
Injury of persons using the machine which is defective or incorrectly installed		As previously described	H	The machine is installed, used and maintained in accordance with manufacturer's instructions  The operator's manual is available				

If there is one or more **High Risk (H)** actions needed, then the risk of injury could be high and immediate action should be taken.  
**Medium Risk (M)** actions should be dealt with as soon as possible. **Low Risk (L)** actions should be dealt with as soon as practicable.

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**Risk Assessment carried out by:** \_\_\_\_\_

**Date:** / /