

Risk Assessment – Changing Materials

Creator/Reviewer of Risk Assessment	Name Ian Snell
	Signature 
Next Review Date	September 2022

Severity	Likelihood	Risk Rating* (S x L)
1 No or Little Harm	1 Unlikely	1-5 Low
2 Minor/First Aid	2 Possible	6-10 Medium
3 Medical Attention	3 Probable	10+ High
4 Hospitalisation	4 Likely	
5 Death/Irreparable Injury	5 Certain	

Science Oxford Risk Assessment			Severity	Likelihood	Risk Rating*
Hazard	Risk	Control Measures			
Heating with flame	Participants Burns/scalding	<ul style="list-style-type: none"> • Instructions given for appropriate use • The following parts will get hot: stand, cases, contents, lamp. Do not touch them. Use the peg to move case. Hold case with the peg before stirring. Use a wooden stick for stirring. 	2	2	4
	Participants Fuel spills and spreading flame	<ul style="list-style-type: none"> • Sealed "liquid wax" candles are used. Spills are unlikely, but not impossible. Spilt fuel is not flammable itself, but leaks from a lit burner can ignite. • Heat-proof tiles should always be used • Presenter and volunteers should always be monitoring burners, and extinguish if safe, or move participants away if necessary. (But see below during COVID-19) • Visual inspection of burners before and after every session 	3	1	3
Heating liquids	Participants "Spitting" of hot liquid	<ul style="list-style-type: none"> • Very small amounts of liquid heated at a time. • Safety goggles to be worn when heating • Adults to be asked to ensure goggles are always worn 	3	1	3
Heating solder	Participants Fumes may irritate nose and throat, eyes. Flux may spit	<ul style="list-style-type: none"> • Only lead-free solder to be used. • Ensure adequate ventilation of room. • Only very small pieces of solder are heated. • No more than one piece should be used by each pair. • Safety goggles to be worn. 	2	1	2

Please use this risk assessment in conjunction with your own prior assessments and dynamic management of risk.



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Exposure to disease (such as COVID-19)	All Surface transmission from equipment	<ul style="list-style-type: none"> School advised that pupils should wash hands before workshop Presenter to sanitise hands before distributing equipment 	3	2	6
	All Person to person transmission	<ul style="list-style-type: none"> Presenter to remain at 2m distance at front of class Presenter to wear mask when interacting more closely with children 	3	2	6
	Participants Burns, fuel spills and spreading flame	<ul style="list-style-type: none"> Ordinarily, adult volunteers are used to monitor flames and manage lighters. To maintain social distancing, children will need to use their own lighters. Increased vigilance will need to be maintained by the presenter and classroom teacher. 	3	2	6

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