Risk Assessment – KL Electrical Experiments

Creator/Reviewer of Risk Assessment	**Name** Andrew Kensley
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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

Hazard	**Risk**	**Control Measures**	**Severity**	**Likelihood**	**Risk Rating***
Use of equipment	**Participants** Overheating from short circuit	• Participants should be advised not to connect opposing battery terminals directly to each other	2	1	**2**
	Participants Testing items/sockets using mains electricity	• Activity should be controlled and supervised • Explanation of the use of batteries only should be made clear • Risks of mains electricity compared to batteries can be made a teaching point	5	1	**5**
	Participants Injury from moving motor parts	• Participants should be advised to take care and keep rotating parts away from face	1	2	**2**
	All Chemical burns from leaking batteries	• Check batteries are in good working order before session • Store batteries safely between sessions • Science Oxford will check batteries between loans	2	1	**2**

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

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