

Risk Assessment – Circuit Detectives

Creator/Reviewer of Risk Assessment	Name Daniel Scholes
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Next Review Date	September 2026

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			
Use of Equipment	Participants Overheating from short circuit	<ul style="list-style-type: none"> Participants advised of risk 	2	1	2
	Participants Testing items/sockets using mains electricity	<ul style="list-style-type: none"> Activity is controlled and supervised Test circuits and objectives are made clear Risks of mains electricity compared to batteries can be made a teaching point 	5	1	5
	All Chemical burns from leaking batteries	<ul style="list-style-type: none"> Check batteries are in good working order before session Store batteries safely between sessions 	2	1	2
	All Cuts from broken bulbs	<ul style="list-style-type: none"> All breakages to be cleared and removed promptly 	2	1	2
	Participants Swallow risk from cell batteries	<ul style="list-style-type: none"> The cell batteries are given out specifically only as an extension task and kept secure otherwise The workshop is not intended to be used with smaller children If swallowed, the child should be taken to A&E immediately, or call 999 	4	1	4

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