

Risk assessment – Circuit Detectives

Risk assessment last reviewed	Name: Matthew Page				Severity (S)	Likelihood (L)	Risk rating (S x L)
	Job Title: Education Outreach Officer						
	Signature: 	Date: 03/09/2026					
Risk assessment last approved	Name: Lucinda Offer, Head of Science Communication						6-10 Medium
	Signature: 	Date: 30/09/26					
Date of next review	August 2027						10+ High

Hazard	Risk	Control measures	(S)	(L)	Risk rating*
Use of Equipment	Participants Overheating from short circuit	Participants advised of risk	2	1	2
	Participants Testing items/sockets using mains electricity	- Activity is controlled and supervised - Test circuits and objectives are made clear - Risks of mains electricity vs. batteries can be made a teaching point	5	1	5
	All Chemical burns from leaking batteries	- Check batteries are in good working order before session - Batteries stored safely between sessions	2	1	2
	All Cuts from broken bulbs	All breakages to be cleared and removed promptly	2	1	2
	Participants	Cell batteries are given as an extension task only	4	1	4

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

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	Swallow risk from cell batteries	• The workshop is not intended to be used with smaller children • If swallowed, take child to A&E immediately and call 999			
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