

## Risk Assessment – Primary Electronics: Electronics Engagement

<b>Creator/Reviewer of Risk Assessment</b>	<b>Name – Sophie Batin</b>
<b>Next Review Date</b>	December 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	

<b>UKESF Risk Assessment</b>			<b>Severity</b>	<b>Likelihood</b>	<b>Risk Rating*</b>
<b>Hazard</b>	<b>Risk</b>	<b>Control Measures</b>			
General workshop hazards, trips, etc	Students not following instructions	<ul style="list-style-type: none"> <li>Supervision from staff</li> <li>Clear guidance given on behaviour during activities</li> </ul>	1	2	2
Incorrect component placement	Short circuit which may cause mild shock or overheating	<ul style="list-style-type: none"> <li>Clear Instructions on how to properly assembly circuits given to pupils via the slide deck</li> <li>Children told to disconnect their circuit if it starts to get hot (if safe to do so) and inform an adult immediately</li> <li>Staff are advised to have cold running water available in the unlikely event that children touch overheated components</li> <li>Battery voltage and current rating are low enough to cause minimal harm if error occurred</li> </ul>	2	2	4
Batteries	Health hazard upon ingestion	<ul style="list-style-type: none"> <li>AAA batteries used (not coin cell)</li> <li>Children old enough that mouthing is unlikely</li> <li>Staff are advised to place batteries into the Micro:bit battery holders before students start the activity, making the component too large to swallow</li> </ul>	4	1	4
Water spills next to/during activities	Short circuit which may cause mild shock	<ul style="list-style-type: none"> <li>Students should be advised to store water away from desks if possible</li> <li>Students should be advised to clean up any spills immediately and to keep components away from water</li> <li>Staff are advised to have paper towels nearby to clean any spills</li> </ul>	2	1	2

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