

## Changing Circuits: Risk Assessment

<b>Activity</b>	<b>Hazard</b>	<b>Precaution</b>	<b>Risk</b>
Circuit diagrams	None identified	None required	None
Making quiz board	<ul style="list-style-type: none"> <li>Cuts from scissors</li> </ul>	<ul style="list-style-type: none"> <li>Clear instructions and close supervision</li> <li>Appropriate child-friendly scissors supplied</li> </ul>	Low
Conductors and Insulators	<ul style="list-style-type: none"> <li>Cuts from sharp edges on materials</li> </ul>	<ul style="list-style-type: none"> <li>Check materials for sharp edges before session</li> <li>Children warned to be careful of possible sharp edges</li> </ul>	Very Low
AND/OR gates	None identified	None required	None
Melting fuse wire demonstration	<ul style="list-style-type: none"> <li>Burns from hot wire</li> </ul>	<ul style="list-style-type: none"> <li>Performed by demonstrator</li> <li>Children kept at safe distance from demonstration</li> </ul>	Very low
Parallel Bulbs demonstration	<ul style="list-style-type: none"> <li>Shock hazard if fingers put into bulb sockets</li> </ul>	<ul style="list-style-type: none"> <li>Performed by trained demonstrator</li> <li>Children kept at safe distance (at least 1m)</li> <li>Earth trip between plug and socket</li> </ul>	Very low