



Risk Assessment- Science Experiments

Lapstone Activity Centre

Risk Rating Key

Very Low/ Low/ Moderate / High / Very High

Activity	Hazard	Risk Assessment (use Matrix)	Control Measure	Who	When
Completing science experiments	Use of chemicals or experiment materials	Moderate	<ul style="list-style-type: none"> - Only use non-toxic, child-safe materials. - Staff check Safety Data Sheets where applicable. - No dangerous chemicals permitted. - Children supervised at all times. 	All educators	At all times
	Mixing substances	Moderate	<ul style="list-style-type: none"> - Educators prepare and test experiments beforehand. - Only approved experiments used. - Quantities kept small. 	All educators	At all times
	Hot water or heat sources	Moderate	<ul style="list-style-type: none"> - Avoid open flames. - Use warm water only where possible. - Educators handle hot items. - Children kept at safe distance 	All educators	At all times
	Sharp tools or equipment	Low	<ul style="list-style-type: none"> - Avoid sharp equipment where possible. - Safety scissors only. - Direct supervision provided. - First Aid kit stocked and readily available 	All educators	At all times
	Flying objects or splashes	Moderate	<ul style="list-style-type: none"> - Safety goggles provided when required. - Children instructed on safe participation. - Safe distance maintained. 	All educators	At all times
	Slips and trips from spills	Low	<ul style="list-style-type: none"> - Clean spills immediately. - Maintain clear walkways. - Appropriate footwear required. 	All educators	At all times
	Ingestion of materials	High	<ul style="list-style-type: none"> - Check medical management plans and allergy information before activity. - Avoid known allergens. - Alternative materials provided if needed. 	All educators	Prior to experiments



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	Inappropriate behaviour or misuse of materials	Moderate	<ul style="list-style-type: none"> - Clear safety expectations explained prior to activity. - Close supervision maintained. - Activity stopped if unsafe behaviour occurs. 	All educators	At all times
	Inadequate supervision	Moderate	<ul style="list-style-type: none"> - Maintain educator-to-child ratios in line with regulations. - Position educators strategically around activity. 	All educators	At all times
	Disposal of experiment materials	Low	<ul style="list-style-type: none"> - Dispose of materials safely and hygienically. - Sanitise tables and equipment after use. 	All educators	After experiments
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Signature:			Signature:		
Date: 27/5/26			Date: 27/5/26		

Risk Matrix

		Likelihood				
		Rare	Unlikely	Possible	Likely	Almost Certain
Consequences	Major	Moderate	High	High	Very High	Very High
	Significant	Moderate	Moderate	High	High	Very High
	Moderate	Low	Moderate	Moderate	High	High
	Minor	Very low	Low	Moderate	Moderate	Moderate
	Insignificant	Very low	Very low	Low	Moderate	Moderate

