



Science Experiments Risk Assessment

Beresford Road Activity Centre

Risk Rating Key

Very High/ High/ Medium/ Low

Activity	Hazard	Risk Assessment (use Matrix)	Control Measure	Who	When
Completing science experiments	Use of chemicals or experiment materials	Medium	- Only use non-toxic, child-safe materials. - No dangerous chemicals permitted. - Staff check Safety Data Sheets where applicable. - Children supervised at all times.	All educators	At all times
	Mixing substances	Medium	- Educators prepare and test experiments beforehand. - Only approved experiments used. - Quantities kept small.	All educators	At all times
	Hot water or heat sources	Medium	- 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	- 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	Medium	- Safety goggles provided when required. - Children instructed on safe participation. - Safe distance maintained.	All educators	At all times
	Slips and trips from spills	Low	- Clean spills immediately. - Maintain clear walkways. - Appropriate footwear required.	All educators	At all times
	Ingestion of materials	High	- Check medical management plans and allergy information before activity. - Avoid known allergens. - Alternative materials provided if needed.	All educators	Prior to experiments
	Inappropriate behaviour or misuse of materials	Medium	- Clear safety expectations explained prior to activity. - Close supervision maintained. - Activity stopped if unsafe behaviour occurs.	All educators	At all times

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	Inadequate supervision	Medium	- Maintain educator-to-child ratios in line with regulations. - Position educators strategically around activity.	All educators	At all times
	Disposal of experiment materials	Low	- Dispose of materials safely and hygienically. - Sanitise tables and equipment after use.	All educators	After experiments
Completed by: Tara Sheather			Approved By: Margaret Saldanha		
Signature:			Signature:		
Date: Aug - 2026			Date: Aug - 2026		

	IMPACT					
Likelihood		Insignificant	Minor	Moderate	Major	Severe
	Almost Certain	Medium	High	High	Very High	Very High
	Likely	Medium	Medium	High	High	Very High
	Possible	Low	Medium	High	High	Very High
	Unlikely	Low	Low	Medium	Medium	High
	Rare	Low	Low	Medium	Medium	Medium
Likelihood			Impact			
Almost Certain	Is expected to occur in most circumstances		Insignificant	Injuries not requiring first aid		
Likely	Will probably occur in most circumstances		Minor	First aid required		
Possible	Could Occur at some time		Moderate	Medical treatment required		
Unlikely	Not likely to occur in normal circumstances		Major	Hospital admission required		
Rare	May occur only in exceptional circumstances		Severe	Death or permanent disability to one or more persons.		

Risk Assessment Communication Record - Science experiments

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