



## Incursion Rocket Masterclass Risk Assessment

Risk Rating Key  
**Very High/ High/ Medium/ Low / Very Low**

Activity	Hazard	Risk Assessment (use Matrix)	Control Measure	Who	When
Air Pressure Paper Rockets Incursion	Students not following safety instructions, leading to unsafe behaviour and increased risk of injury	Medium	<ul style="list-style-type: none"> <li>Students must listen to the Rangers' safety instructions and activity rules before commencing each activity. Rangers will provide a safety briefing and demonstrate correct use of equipment. Teachers will actively supervise students and ensure they follow all instructions and safety requirements throughout the activity. Any unsafe behaviour will result in the student being removed from the activity until safe participation can be demonstrated.</li> </ul>	Rangers/ Incursion Presenter, Educator, Children	Before each activity and throughout the session
	Rocket striking participant's face or eyes	Medium	<ul style="list-style-type: none"> <li>Establish launch zone and safe firing direction. Students stand behind launch line. Safety briefing before activity.</li> </ul>	Rangers/ Incursion Presenter, Educator, Children	Before and during activity
	Tripping over launch equipment, hoses, or materials	Medium	<ul style="list-style-type: none"> <li>Keep equipment organized. Secure hoses where possible. Maintain clear walkways. Supervise movement around activity area.</li> </ul>	Rangers/ Incursion Presenter, Educator, Children	Throughout activity
	Excessive force applied to launcher causing equipment failure	Low	<ul style="list-style-type: none"> <li>Use approved launch equipment only. Presenter operates or supervises launcher. Inspect equipment before use.</li> </ul>	Rangers/ Incursion Presenter	Before and during activity
	Cuts or scratches from scissors	Low	<ul style="list-style-type: none"> <li>Use child-safe scissors. Demonstrate correct handling. Supervise students during construction.</li> </ul>	Rangers/ Incursion Presenter, Educator, Children	During construction phase
	Choking hazard from small components (tape, caps, small parts)	Low	<ul style="list-style-type: none"> <li>Use age-appropriate materials. Monitor younger students. Remove damaged or loose small parts.</li> </ul>	Rangers/ Incursion Presenter, Educator, Children	During activity

<b>Activity</b>	<b>Hazard</b>	<b>Risk Assessment (use Matrix)</b>	<b>Control Measure</b>	<b>Who</b>	<b>When</b>
	Children running to retrieve rockets causing collisions	Medium	- Retrieve rockets only when instructed. Stop launches during collection. Clearly define collection area.	Rangers/ Incursion Presenter, Educator, Children	During retrieval periods
	Launching rockets towards spectators or non-participants	Medium	- Designate exclusion zone. Launch only toward open area. Adult supervision at all times.	Rangers/ Incursion Presenter, Educator, Children	Before and during launches
	Adverse weather (if outdoors) – wind, heat, rain	Medium	- Monitor weather conditions. Move indoors if appropriate. Ensure hydration and sun protection.	Rangers/ Incursion Presenter, Educator, Children	Before and during activity
	Allergic reactions to craft materials (adhesives, markers, tape)	Low	- Check student medical information. Use non-toxic materials. Follow school medical procedures if required.	Rangers/ Incursion Presenter, Educator, Children	Before and during activity
	Inadequate supervision leading to unsafe behaviour	Medium	- Maintain appropriate adult-to-student ratios. Deliver clear safety instructions. Stop activity if unsafe behaviour occurs.	Rangers/ Incursion Presenter, Educator, Children	Throughout activity
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<b>Signature:</b>			<b>Signature:</b>		
<b>Date:</b> 4/06/2026			<b>Date:</b> 4/06/2026		

# Risk Matrix

Use the risk matrix to determine the Risk Rating for the activity or area being assessed.

		IMPACT				
		Insignificant	Minor	Moderate	Major	Severe
Likelihood	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.			



