

Assessment of:	Rocket Launch	Location:	Mount Cook
Completed by:	James Clarke	Date of assessment:	February 2026
Reviewed by:	Steve Turner	Next Review Date:	February 2027
Ratio:	1:24 Max and Min 1 Group Leader	Staff Competencies	Must have suitable group management experience. Assessed by Activity Manager or Deputy
Activities covered:	Building and launching bottle rockets		

Hazard <i>(something with potential to cause harm)</i>	Risk <i>(How could hazard cause harm and to whom)</i>	Control Measures <i>(What is required to reduce risk)</i>	In place <i>(Y/N)</i>	Action Required	Action Owner	Residual Risk <i>(low / medium / high)</i>
Scissors	Participants and Staff: Cuts, lacerations, eye injury.	Ratio of leaders to participants controlled to effectively manage the group. Safety brief given to all participants taking part in the activity. Ask group leader to help supervise the group where appropriate. Only safety scissors provided with no sharp pointed end.	Y	Clear brief from Instructor	Activity Staff	LOW
Flying/falling objects	Participants and staff: Bruised, cuts, head injury	Ensure Participants are stood away from launch and landing site. Participants should only retrieve once	Y	Clear briefing from instructor	Activity Staff	LOW

Low = Slight injury or minor ill health / It is highly unlikely that the harm would occur

Medium = Serious Injuries or significant health effects / There is a likelihood that harm may occur;

High = Death, major injury (RIDDOR) or irreversible health damage / There is a high likelihood that harm will occur.

		all objects have landed and if Instructor deems appropriate. Wind speed and direction taken into consideration when selecting appropriate launch site and group viewing location.		Instructor awareness of wind direction and speed		
Use of damaged bottles	Participants and staff: Bottle exploding, flying plastic pieces, minor cuts, and bruising	Bottles checked prior to use for signs of damage. Use 2L bottles suitable for pressurising. Ensure participants are adequate safe distance from launch site Instructor to be stood as far away from rocket at launch as pump air tube allows.	Y	Pre-session equipment check. Clear briefing from instructor	Activity Staff	LOW
Broken Eggs	To Participants and Staff: Allergic reaction, food poisoning ingestion of raw egg.	Safety brief to ensure participants handle egg safely Do not let participants to touch any broken eggs Instruction to wash hands after the session Remove use of eggs if egg allergens present in group.	Y	Participant allergen information made available to Instructor prior to session.	Activity Staff Activity Manger	LOW
Slips, trips, and falls	To Participants and Staff: Breaks, trips, falls and sprains	Areas used for session are checked prior to commencement to make sure they are suitable. Any potential hazards are pointed out to groups and unnecessary hazards		Clear briefing from instructor	Activity Staff	

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		are removed from the area as appropriate. No running.				
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Risk Assessment Checked by H&S or Line manager.

Name: Steve Turner CEO

Reviewed on: 2/3/2026



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