

<b>Assessment of:</b>	Rocket Launch	<b>Location:</b>	Mount Cook
<b>Completed by:</b>	Molly Ojari	<b>Date of assessment:</b>	December 2023
<b>Reviewed by:</b>	James Clarke	<b>Next Review Date:</b>	February 2026
<b>Ratio:</b>	1:24 Max and Min 1 Group Leader	<b>Staff Competencies</b>	Must have suitable group management experience. Signed off to run activity.
<b>Activities covered:</b>	Building and launching bottle rockets		

<b>Hazard</b> <i>(something with potential to cause harm)</i>	<b>Risk</b> <i>(How could hazard cause harm and to whom)</i>	<b>Control Measures</b> <i>(What is required to reduce risk)</i>	<b>In place</b> <i>(Y/N)</i>	<b>Action Required</b>	<b>Action Owner</b>	<b>Residual Risk</b> <i>(low / medium / high)</i>
Scissors	<b>Participants and Staff:</b> 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

**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.

Flying/falling objects	<b>Participants and staff:</b> Bruised, cuts, head injury	Ensure Participants are stood away from launch and landing site. Participants should only retrieve once 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.	Y	Clear briefing from instructor  Instructor awareness of wind direction and speed	Activity Staff	LOW
Use of damaged bottles	<b>Participants and staff:</b> 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	<b>To Participants and Staff:</b> 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

**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.

Slips, trips, and falls	<b>To Participants and Staff:</b> 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 are removed from the area as appropriate. No running.		Clear briefing from instructor	Activity Staff	
-------------------------	---	--	--	--------------------------------	----------------	--

**Risk Assessment Checked by H&S or Line manager.**

Name: Steve Turner CEO

Reviewed on: 10/2/2025



**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.