

**CYC Phillip Island Adventure Resort  
High Ropes – Risk Management Plan**

<b>School:</b>	<b>Year Level:</b>
<b>Supervising teachers / staff:</b>	<b>Dates:</b>
<b>Program / Excursion:</b>	<b>Location:</b>

For an explanation of risk management terminology and to ensure you understand how the rating / grading system is determined please ensure you have read the **CYC Activity Risk Profile** document.

The High Ropes Risk Management Plan contains the specific risks, control measures and gradings for this activity, as well as the gradings of all general risks relevant for all CYC activities. Please refer to the **General Activity Hazards – Risk Management Plan** for a list of general risks and control measures relevant for all CYC activities.

Risk Description	Existing Control Measures	Risk Rating		
		Likelihood	Consequence	Control Effectiveness
<b>Entanglement / Entrapment</b> 1. Hair, clothing or jewellery trapped in equipment	<ul style="list-style-type: none"> <li>Long hair is to be tied back in a low style so the helmet may be fitted correctly</li> <li>There should be no loose jewellery or objects worn that may become entangled</li> <li>Clothing should be tucked away under the harness</li> </ul>	Unlikely	Minor	Satisfactory
2. Head entrapment between lanyard arms	<ul style="list-style-type: none"> <li>Specifically designed 'Pilot Bar' is fitted to the Edelrid lanyard to prevent head entrapment</li> </ul>	Rare	Moderate	Satisfactory
3. Fingers getting caught in carabiners whilst falling	<ul style="list-style-type: none"> <li>Participants are instructed to complete the course without holding onto belay cable, as fingers may become entangled with carabiners</li> <li>Participants are asked to hold onto lanyard 'Pilot Bar' for extra support if required</li> </ul>	Rare	Minor	Satisfactory
<b>Suspension Trauma</b> Caused by participant in need of rescue hanging in harness too long	<ul style="list-style-type: none"> <li>A High Ropes Rescue Kit is rigged and ready for all sessions</li> <li>Program staff are trained in the use of rescue techniques and are involved in regular refresher training</li> </ul>	Rare	Moderate	Satisfactory
<b>Striking</b> 1. Spotter / bystander hit by falling object	<ul style="list-style-type: none"> <li>Climbers should remove all objects from pockets before participating</li> <li>Helmet should be fitted correctly</li> </ul>	Rare	Minor	Satisfactory
<b>Slip – Trip – Fall</b> Caused by or due to: 1. Climber falling from height	<ul style="list-style-type: none"> <li>Pre-activity briefing completed by instructor</li> <li>Training course must be completed correctly by climber prior to completing main course</li> <li>All participants must wear a correctly fitted full body harness to prevent falls if inversion occurs. PPE is checked by the instructor prior to being commencing course</li> <li>When Edelrid Smart Belay system is used correctly it eliminates the possibility of participants disconnecting both carabiners at the same time</li> </ul>	Rare	Major	Satisfactory
2. Slip or trip whilst climbing	<ul style="list-style-type: none"> <li>Firmly fitting, covered footwear with a non-slip sole to be worn by participants</li> <li>Appropriate climbing technique is explained for difficult sections</li> </ul>	Possible	Minor	Satisfactory
3. Wet / windy conditions	<ul style="list-style-type: none"> <li>High Ropes should not be used in extremely wet conditions</li> <li>Where strong winds affecting the course reach 40+ kms the activity should be stopped</li> </ul>	Possible	Minor	Satisfactory
4. Inappropriate use after hours	<ul style="list-style-type: none"> <li>Participants are instructed to only use the High Ropes Course during a supervised activity session (this is not a free time activity)</li> <li>Warning signs are clearly displayed throughout the course</li> <li>When not in use the course is not accessible ie. Ladder access hatch is locked, tension traverse and flying fox ropes are secured</li> </ul>	Rare	Major	Satisfactory
5. A non- harnessed participant falling from the training course	<ul style="list-style-type: none"> <li>Vigilant supervision by site staff and school staff</li> <li>Softfall mulch is in place</li> </ul>	Possible	Minor	Satisfactory

<b>Friction</b> Injury to climber caused by; 1. Rope burn or graze from cable or pole	<ul style="list-style-type: none"> <li>An explanation of appropriate climbing technique for difficult sections should be completed prior to use</li> </ul>	Unlikely	Minor	Satisfactory
2. Harness chaffing due to inappropriate clothing	<ul style="list-style-type: none"> <li>An outline of suitable clothing requirements is provided to participants</li> <li>Participants are asked to change clothing if inappropriate for activity (skirts, very short shorts and midriff tops are not suitable when wearing a harness)</li> </ul>	Rare	Insignificant	Satisfactory
Injury to bystander; 3. Rope burn caused by misuse of flying fox or tension traverse rope	<ul style="list-style-type: none"> <li>Bystanders should not use these ropes as they are required for the participants on the course</li> <li>Vigilant supervision by instructor</li> </ul>	Unlikely	Minor	Satisfactory
<b>Equipment Failure</b> Injury caused by failure of; Harnesses, lanyards, helmets, rescue equipment etc.	<ul style="list-style-type: none"> <li>The instructor completes a check of all PPE (Harness, helmet, lanyard, carabiners) immediately prior to each participant departing platform</li> <li>Regular equipment checks are completed and recorded, and equipment usage is logged</li> <li>Equipment is used, maintained, stored and replaced in accordance with manufacturer guidelines</li> <li>Edelrid Smart belays are tested, maintained and serviced to manufacturer guidelines</li> </ul>	Rare	Major	Satisfactory
<b>Structure Failure</b> Cable breaking or other structure failure, resulting in a fall / injury to a participant	<ul style="list-style-type: none"> <li>A visual inspection of the High Ropes structure and area is completed prior to use</li> <li>Periodic in-house maintenance checks are completed by qualified site staff</li> <li>Annual activity checks are completed by qualified independent professionals</li> <li>If structure is unsafe the activity is not to be undertaken until the issue has been rectified</li> </ul>	Rare	Catastrophic	Satisfactory

**Risk Rating – High Ropes**

NB: All risks in **bold** are High Ropes specific risks. All other risks are from the General Activity Hazards RMP and are therefore relevant for all activities.

X		Likelihood					
		Almost Certain	Likely	Possible	Unlikely	Rare	
Consequence	Catastrophic	80	64	48	32	16	<ul style="list-style-type: none"> <li><b>Structure Failure</b></li> <li>Environmental Exposure 4</li> <li>Environmental Hazard 3</li> </ul>
	Major	40	32	24	16	8	<ul style="list-style-type: none"> <li>Environmental Hazard 1</li> <li>People – Instructor 1 &amp; 2</li> <li>Inappropriate use after hours</li> <li>People – Group Leader 2</li> <li><b>Equipment Failure</b></li> <li><b>Slip-Trip-Fall 1 &amp; 4</b></li> </ul>
	Moderate	20	16	12	8	4	<ul style="list-style-type: none"> <li>People – Participant behaviour</li> <li>Environmental Exposure 2</li> <li><b>Suspension Trauma</b></li> <li><b>Entanglement 2</b></li> <li>Environmental Exposure 3</li> </ul>
	Minor	10	8	6	4	2	<ul style="list-style-type: none"> <li><b>Slip-Trip-Fall 2,3,5</b></li> <li>Slip-Trip-Fall (General)</li> <li>Environmental Exposure 1</li> <li>Environmental Hazard 2</li> <li>People – participant ability</li> <li><b>Friction 1 &amp; 3</b></li> <li><b>Entanglement 1 (HR)</b></li> <li>Entanglement</li> <li>Cutting / Scratching</li> <li>Striking</li> <li>People – Group Leader 1</li> <li><b>Entanglement 3</b></li> <li><b>Striking</b></li> </ul>
	Insignificant	5	4	3	2	1	<ul style="list-style-type: none"> <li><b>Friction 2</b></li> </ul>

HIGH 20 – 80	MEDIUM 10 – 16	LOW 1 – 8
Unacceptable risk which requires immediate action to reduce or remove the hazard. Senior management <b>must</b> be notified. Item should be <b>TAKEN OFF LINE</b> until risk reduced.	Conditionally acceptable, requires short term controls and continuous monitoring.	Acceptable risk, however monitoring required ensuring risk does not escalate. Review in 12 months or if situation changes.