

**CYC Forest Edge
High Ropes – Risk Management Plan**

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

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 grading's for this activity, as well as the grading's 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
Entanglement / Entrapment 1. Hair, clothing or jewellery trapped in equipment	<ul style="list-style-type: none"> Long hair is to be tied back in a low style so the helmet may be fitted correctly There should be no loose jewellery or objects worn that may become entangled Clothing should be tucked away under the harness 	Unlikely	Minor	Satisfactory
2. Head entrapment between lanyard arms	<ul style="list-style-type: none"> Specifically designed 'Pilot Bar' is fitted to the Edelrid lanyard to prevent head entrapment 	Rare	Moderate	Satisfactory
3. Fingers getting caught in carabiners whilst falling	<ul style="list-style-type: none"> Participants are instructed to complete the course without holding onto belay cable, as fingers may become entangled with carabiners Participants are asked to hold onto lanyard 'Pilot Bar' for extra support if required 	Rare	Minor	Satisfactory
Suspension Trauma Caused by participant in need of rescue hanging in harness too long	<ul style="list-style-type: none"> A High Ropes Rescue Kit is rigged and ready for all sessions Program staff are trained in the use of rescue techniques and are involved in regular refresher training 	Rare	Moderate	Satisfactory
Striking Spotter / bystander being hit by falling object	<ul style="list-style-type: none"> Climbers should remove all objects from pockets before participating Helmet should be fitted correctly 	Rare	Minor	Satisfactory
Slip-Trip-Fall Caused by or due to: 1. Climber falling from height	<ul style="list-style-type: none"> Pre-activity briefing completed by instructor Training course must be completed correctly by climber prior to completing the main course 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 When Edelrid Smart Belay system is used correctly it eliminates the possibility of participants disconnecting both carabiners at the same time 	Rare	Major	Satisfactory
2. Slip or trip whilst climbing	<ul style="list-style-type: none"> Firmly fitting, covered footwear with a non-slip sole to be worn by participants Appropriate climbing technique is explained for difficult sections 	Possible	Minor	Satisfactory
3. Wet / windy conditions	<ul style="list-style-type: none"> High Ropes should not be used in extremely wet conditions Where strong winds affecting the course reach 40+ kms the activity should be stopped 	Possible	Minor	Satisfactory

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<p>4. Inappropriate use after hours</p>	<ul style="list-style-type: none"> Participants are instructed to only use the High Ropes Course during a supervised activity session (this is not a free time activity) Warning signs are clearly displayed throughout the course When not in use the course is not accessible ie. Ladder access hatch is locked, tension traverse rope is secured 	<p>Rare</p>	<p>Major</p>	<p>Satisfactory</p>
<p>5. A non- harnessed participant falling from the training course</p>	<ul style="list-style-type: none"> Vigilant supervision by site staff and school staff 	<p>Possible</p>	<p>Minor</p>	<p>Satisfactory</p>
<p>Friction Injury to climber caused by; 1. Rope burn or graze from cable or pole</p>	<ul style="list-style-type: none"> An explanation of appropriate climbing technique for difficult sections should be completed prior to use 	<p>Unlikely</p>	<p>Minor</p>	<p>Satisfactory</p>
<p>2. Harness chaffing due to inappropriate clothing</p>	<ul style="list-style-type: none"> An outline of suitable clothing requirements is provided to participants Participants are asked to change clothing if inappropriate for activity (skirts, very short shorts and midriff tops are not suitable when wearing a harness) 	<p>Rare</p>	<p>Insignificant</p>	<p>Satisfactory</p>
<p>Injury to bystander; 3. Rope burn caused by misuse of tension traverse rope</p>	<ul style="list-style-type: none"> Bystanders should not be playing with these ropes as they are required for the participants on the course Vigilant supervision by instructor 	<p>Unlikely</p>	<p>Minor</p>	<p>Satisfactory</p>
<p>Equipment Failure Injury caused by failure of; Harness, lanyard, helmet, carabiners, rescue equipment etc.</p>	<ul style="list-style-type: none"> The instructor completes a check of all PPE (Harness, helmet, lanyard, carabiners) immediately prior to each participant departing platform Regular equipment checks are completed and recorded, and equipment usage is logged Equipment is used, maintained, stored and replaced in accordance with manufacturer guidelines Program staff are trained to recognize worn or faulty equipment Edelrid Smart Belay devices are tested, maintained and serviced to manufacturer guidelines 	<p>Rare</p>	<p>Major</p>	<p>Satisfactory</p>
<p>Structure Failure Resulting in a fall/injury to the participant</p>	<ul style="list-style-type: none"> A visual inspection of the High Ropes is completed by qualified site staff prior to use Thorough periodic in-house maintenance checks are completed by trained program staff Annual activity checks are completed by qualified professionals If structure is unsafe the activity is not to be undertaken until the issue has been rectified 	<p>Rare</p>	<p>Catastrophic</p>	<p>Satisfactory</p>

Risk Rating – High Ropes

All identified risks are recorded in the Risk Matrix according to the Likelihood and Consequence ratings. The purpose of this matrix is to provide a snapshot of all identified risks and establish the level of risk associated to determine if further treatment is required.

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

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.

For grading risks, scores obtained from the risk matrix are assigned grades as follows;

HIGH 20 – 80	MEDIUM 10 – 16	LOW 1 – 8
Unacceptable risk which requires immediate action to reduce or remove the hazard. Senior management must be notified. Item should be TAKEN OFF LINE 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.

RMP REVIEWED BY: A Paterson

DATE: 30 / 04 / 2018

NEXT REVIEW DUE: April 2023