



Crate Climb Risk Management Plan

CCC Central Coast

School: _____ Year: _____ Dates: _____

Program: _____ Supervising Staff: _____

Activity Context

Crate Climb is a team activity where participants take it in turns to climb a stack of crates while being belayed on a rope. Other participants help to build the stack of crates and belay the climbers. Participants are given clear instructions on the different roles in the activity, and are encouraged to work as a team to build the highest stack of crates.

This document contains the specific risks, control measures and grading for the Crate Climb activity. Please refer to the document **General Activity RMP – CCC Central Coast** for a list of general risks and control measure relevant for all CCC Central Coast activities, as well as risk rating information.

Risk Management Plan

Hazard / Risk Description	Existing Control Measures	Risk Rating		
		Likelihood	Consequence	Control Effectiveness
Crate Climb Specific – Risk factors specifically associated with the Crate Climb activity at CCC Central Coast				
Fall from height	<ul style="list-style-type: none"> Pre-activity briefing conducted by Activity Leader All participants must wear correctly fitted harness and helmet, and connected to lifeline / belay rope Participants belayed by team of belayers Activity Leaders check that participants are connected to belay lines and check equipment prior to participant starting Friction devices installed in belay lines to slow movement of rope 	Rare	Major	Low
Belayers Participants belaying incorrectly	<ul style="list-style-type: none"> Pre-activity briefing conducted by Activity Leader At least 3 belayers on the team at once Activity Leaders check belay team is ready prior to climb Friction devices installed in belay lines to slow movement of rope Belaying is supervised by Activity Leader 	Likely	Minor	Medium
Impact By participant <ul style="list-style-type: none"> To other persons To pole Landing too hard on ground 	<ul style="list-style-type: none"> Boundaries identified to group at start of the activity Belay lines are set away from poles Participants required to wear helmets Activity Leader encourages Climber to bend their knees as they reach the ground Activity Leader guides belay team through lowering climbers Crate stacks to be only pushed over away from other participants Crate stacks to be only pushed over when Activity Leader gives signal Crates are to be cleared from the landing zone prior to the Climber being lowered 	Possible	Minor	Medium

Crate Climb Risk Management Plan – CCC Central Coast

Hazard / Risk Description	Existing Control Measures	Risk Rating		
		Likelihood	Consequence	Control Effectiveness
Entanglement - Hair, clothing or jewellery	<ul style="list-style-type: none"> All loose clothing, jewellery and other objects that may become entangled are to be removed for the activity Long hair is to be tied back for the activity 	Unlikely	Minor	Low
Hand getting Caught In belay device	<ul style="list-style-type: none"> Participants briefed on correct belaying, including to keep hands away from belay device 	Unlikely	Moderate	Medium
Falling Crates Onto person/s, causing injury	<ul style="list-style-type: none"> No crates to be stacked over 4 high until Activity Leader gives signal to start Crates are to be stacked correctly Participants briefed on stacking crates correctly Activity Leader monitors crate stack Crate stack builders, climber and Activity Leader wear helmets in the crate fall zone Crate building area clearly defined at start of the activity Crate stacks to be only pushed over away from other participants Crate stacks to be only pushed over when Activity Leader gives signal 	Likely	Minor	Medium
Inverting Where participant flips upside down	<ul style="list-style-type: none"> Proper harness fitting demonstrated, and harnesses checked for each participant prior to starting course Harnesses are full body harnesses Attachment point for harnesses discourages accidental flipping 	Unlikely	Minor	Low
Participant stuck on course Emotionally	<ul style="list-style-type: none"> Activity run on challenge by choice principles Participants given choice about height of crate stack Groups encouraged to be supportive 	Possible	Minor	Medium
Structure Failure Safety of the high ropes course structure	<ul style="list-style-type: none"> Poles and cables installed by qualified course builders Regular inspections of structure and anchors performed by qualified staff Yearly inspections by external assessor performed 	Rare	Catastrophic	Medium

Risk Rating Matrix

All identified risks are recorded in the following risk matrix according to likelihood and consequence. The purpose of this matrix is to provide a snapshot of all identified risks and establish the level of risk to determine if further treatment is required.

Likelihood	Consequences				
	1 - Insignificant	2 - Minor	3 - Moderate	4 - Major	5 - Catastrophic
1 - Rare	1	2	3	4 Fall from height	5 Structure failure
2 - Unlikely	2	4 Entanglement, inverting	6 Caught hand	8	10
3 - Possible	3	6 Impact, participant stuck	9	12	15
4 - Likely	4	8 Belaying, Falling Crates	12	16	20
5 - Almost certain	5	10	15	20	25

Risk Treatment

1-4 Low Risk

- Risk does not generally need to be managed any further (current controls are adequate), however the risk needs to be monitored for changes in circumstances and current control effectiveness.
- Risk generally may be accepted.

5-9 Medium Risk

- Risk needs to be regularly monitored for any changes and control/treatment effectiveness.
- Risk may be accepted after consideration.

10-14 High Risk

- Risk is unacceptable, risks must be further treated or removed to bring rating to medium
- Risks are to be re-assessed by Activities Manager

15+ Extreme Risk

- Unacceptable risk, urgent attention is required to treat or remove risks
- Management to consider elimination of activity

Risk Assessment Conducted by: *Program Manager, CCC Central Coast*

Date of Risk Assessment: *18th May 2020*

Date of Next Review: *May 2021*