

Maranatha Recreation Camp - Yandina

Risk Assessment – Tower of Tremble

Description

Participants work as couples to stack crates simultaneously while standing on them. A team building experience that needs trust and communication to create a trembling tower of crates. The stacking partners must work together and climb the tower as they build it. Crates are passed up by the team members below as the tower grows. Climbers wear harnesses and helmet and are attached to a rope which goes through a sheer reduction pulley. Rope then goes down through a Gri Gri+ connected to the tree via an eye bolt. Three belayers are responsible for each climber, first belayer pulls rope down, second belayer pulls rope up & third belayer flakes rope into bucket. All 3 belayers must hold rope at all times. Instructor is responsible for the lowering of all climbers. Participants must never touch the release lever.

Hazard	Risk	Control Measures
Physical Hazards / Equipment Hazards	L	Instructors and responsible adults monitor and supervise activity and designate out of bounds areas where crates are likely to fall. Group stays in designated area when waiting their turns. Harness equipped with 2 screw-gate carabiners and locked. Pulley is shear reduction type to reduce rope wear and inspected regularly. Belay tails use carabiners. Clear briefing instruction and demonstration of correct technique for belay is explained to the group. Instructor/s provide additional instruction and monitor safe practices by all participants. Instructor/s maintain close supervision of all participants while they are at the Tower of Tremble site. Instructor/s assist/coach participants with building technique and assist/supervise belayers. All instructors are competent in rescue procedures. Sun Safety practiced. Helmets worn at all times. Safe areas are designated. Movement to and from safe areas is supervised. Crates are to be inspected prior to each session and disposed of if structurally unsound, or cracks are evident.
Biological Hazards	L	Ensure adequate supervision. Ensure campers use insect repellent. Ensure campers check for ticks afterwards. First Aider always with group with First Aid kit. Instructors have mobile phones or UHF radios to call for assistance in emergency. First Aid room is located at the camp adjacent to the main dining room
Personal Safety	L	Instructors create a non-threatening environment where everyone feels welcome to participate. Instructors encourage teams to support each other and guide participants through the experience. Instructors and supervising adults ensure all personal safety equipment is fitted correctly to avoid pinching or severe discomfort. Instructors request participants to wear appropriate clothing and footwear to minimise discomfort caused by harnesses. Instructors conduct safety checks on each participant to ensure all carabiner screw gates are locked and harnesses and helmets individually adjusted and safely buckled (supervising responsible adults may also help with safety checks). All personal protective equipment is inspected regularly and prior to use. Equipment is replaced well within manufacturers specifications and/or upon any sign of significant wear to minimise equipment failure
Environment Impact	M	Arborist inspects tree health of the surrounding trees at least annually and provides a written report. Hazards identified through this process are rectified or minimised. WHSO regularly visually inspect surrounding trees and remove any branches deemed a hazard. Tracks and sitting areas are inspected and maintained free of branches and rocks, litter or other debris prior to use by a group. All hazards are reported to WHSO. Instructors monitor weather conditions. Activity may be cancelled if there is high wind, heavy rain, storm or lightening. Instructors provide group with warnings if tracks or ropes or ladders are wet and/or slippery. Ground below site is regularly mulched. Instructors must remind each group about minimum environmental impact practices, and ensure no rubbish is left at the site and no damage is done to the vegetation.

Risk Priority Matrix:

E= Extreme H= High M= Moderate L= Low

Risk Assessment Date:

Oct 2025

Review Date:

Jan 2027

Version: 1.7

Short Form

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Inclusivity Adaptations	Tower of Tremble is a difficult activity for inclusivity for a range of needs. The climbing part of the activity is unstable. The belay part (pulling ropes) of the activity can be done from a seated position if required with some assistance from a competent adult and peers. The stacking of the crates is difficult and not suitable for participants in a wheelchair or scooter. The access to the Tower of Tremble site is suitable for a wheelchair with some assistance.
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