

**Create Stacking - Small and Giant**

**Activity Area:** Crate Stacking area  
**Minimum Staffing Level:** 1 Instructor per group  
**Staff/Pupil Ratio:** 1:12 (1:1 when climbing)  
**Staff Qualifications:** In-house Training MIA assessed  
**Maximum Number of Participants:** 15  
**Role of Accompanying Adult:** Supervision of group at activity base

Hazard	Outcome/Injury	Persons at risk	Rating	Existing Controls
Fall from height	Death Serious injury	Participants, Instructors	3 - 1	Participants clipped to safety line at start of climb. Correctly fitted helmets and harnesses worn by all participants. Participant descent controlled by trained instructor via safety rope.
Equipment failure	Death Serious injury	Participants Instructors	3 - 1	All equipment checked by instructors prior to use. Daily and weekly equipment checks carried out.
Incorrectly fitted equipment	Death Serious injury	Participants Instructors	4 - 1	Instructor training and observations using equipment
Crates falling from stack	Head or Bodily injury	Participants Instructors Observers	2 - 3	Correctly fitted helmets must be worn within designated area. Marked off areas are out of bounds to casual spectators. Participants advised to look straight ahead when stack is falling and not to try and catch any crate.
Belay equipment	Cuts, Crush injury, Bruising	Participants Instructors	3 - 3	Instructors trained in correct use of belay equipment. Belay equipment checked for defects prior to use.
Trip hazards	Sprains, Cuts, Bruises	Participants Instructors	3 - 3	Crate Stacking - Chippings to be raked over tree roots Giant Crate Stacking – Chippings to be raked to cover geotextile membrane and to fill up to the build area
Ascending/Descending	Death Serious injury	Participants Instructors	3 - 1	Correctly fitted helmets worn by all staff and participants. Instructors trained in correct use of belay equipment.
Ropes tangled in branching	Death Serious injury	Participants Instructors	4 - 1	Activity areas checked weekly for low hanging branches. Branches removed If necessary.
Cable failure	Death Serious injury	Participants Instructors	4 - 1	Cable work to be checked yearly by senior staff member. Weekly checks carried out on ground anchors and equipment checked before and after every use.
Adverse weather conditions	Electrocution Exposure	Participants Instructors Observers	4 - 1	Weather reports monitored. Activity stopped during electrical storms, high winds and heavy rain.
Unauthorised Access	Death Serious injury	All	4 - 1	Group Leader briefing, signage & controlled access. Giant Crate Stack Area locked and secure when not in use

**Key**

**Rating:** Likelihood (1 = Very High, 2 = High, 3 = Medium, 4 = Low) - Consequence (1 = Fatal 2 = Major Injury 3 = Minor Injury 4 = No Injury)