

Activity Area:	Create Stacking - Small and Giant
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

Risk Matrix	Likelihood			
	Very Likely	Likely	Unlikely	Highly Unlikely
Fatality	High -16-	High -15-	High -14-	Medium -13-
Major Injuries	High -12-	High -11-	Medium -10-	Medium -9-
Minor Injuries	High -8-	Medium -7-	Medium -6-	Low -5-
Negligible Injuries	Medium -4-	Medium -3-	Low -2-	Low -1-

Hazard	Persons at risk	Prior Risk	Existing Controls	New Risk Factor
Fall from height	Participants, Instructors	High 16	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.	Medium 13
Equipment failure	Participants Instructors	High 16	All equipment checked by instructors prior to use. Daily and weekly equipment checks carried out.	Medium 13
Harnesses incorrectly fitted	Participants Instructors	High 16	Instructor to brief all participants on the correct fitting of harnesses prior to commencing the activity. Instructor to check each individual's harness immediately before they step onto crates.	Medium 13
Crates falling from stack	Participants Instructors Observers	High 12	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 crates.	Medium 10
Trapping of fingers in belay equipment	Participants Instructors	High 12	Instructors trained in correct use of belay equipment. Belay equipment checked for defects prior to use.	Medium 10
Trip hazards (ground anchors)	Participants Instructors	High 8	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	Medium 6
Ascending/Descending	Participants Instructors	High 8	Correctly fitted helmets worn by all staff and participants. Instructors trained in correct use of belay equipment.	Low 5
Ropes tangled in branches	Participants Instructors	Medium 4	Activity areas checked weekly for low hanging branches. Branches removed If necessary.	Low 1
Cable failure	Participants Instructors	High 16	Cable work to be checked yearly by senior staff member. Weekly checks carried out on ground anchors and equipment checked before and after use.	Medium 13
Adverse weather conditions	Participants Instructors Observers	High 12	Weather reports monitored. Activity stopped during electrical storms, high winds, and heavy rain.	Medium 10
Unauthorised Access	Participants Instructors Observers	High 8	Group Leader briefing, signage & controlled access. Giant Crate Stack Area locked and secure when not in use	Medium 6
High winds	Instructors Participants	High 16	Instructor to monitor weather & suspend or cancel session when wind conditions cause safety to be affected. Tree survey and wind policies in place (see SOP N: Drive).	Medium 13

Crate Stacking
06/03/2023 Date of next review 06/03/2024 RA Creator CW IOSH

Participants' behaviour	Participants Instructors Observers	High 12	If in the opinion of the instructor, the behaviour of an individual or the group as a whole is not conducive to running a safe session then the activity session will be stopped and the person or persons causing concern removed.	Medium 10
Crates	Participants Instructors Observers	High 8	All crates to be checked in line with Friday check sheets. Any damaged ones to be removed and duty manager made aware.	Low 5

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