

The Cube Course Usage Risk Assessment

Potential Hazards	Potential Outcome	Risk Level <i>Prior to Controls</i> (High, Med, Low)	Preventative Measures	Risk Level <i>After Controls</i> (High, Med, Low)
General Risks				
Un-authorized use of Cube Course	Falling – broken limbs/ injury/death	H	No unsupervised access to Cube Course. Warning signs –‘Do not use without instructors’ If outside, Course enclosed with an 8ft fence. Access ladders locked away.	L
Equipment Failure	Falling – broken limbs/ injury/death	M	No smoking in the area or when wearing ppe. Equipment checked regularly for wear & tear. Damaged equipment to be removed & destroyed.	L
Objects falling	Broken limbs/injury/ death	H	Use of helmets at all times. Clients to remove all objects from pockets prior to climbing. If outside, surrounding area checked for dead wood.	L
Harness Failure	Falling – broken limbs/ injury/death	M	Instructional procedure. Instructor checks all participants ppe prior to climbing. Use of chest & sit harness combinations for all users.	L
Entanglement or holding of moving ropes	Rope burn, damaged limbs, death	H	Instructional procedure. Participants briefed on holding their own knot & no other ropes.	L
Loss of belayer concentration, incorrect belay technique	Falling – broken limbs/ injury/death	H	Instructional procedure. All lower offs managed by instructors. Instructor holding dead rope or overhand knots tied in dead rope when clients belaying.	L
Holding wire cables & clamps	Cuts & Abrasions	M	Participants not allowed to touch any part of cables.	L
Entrapment in moving parts of course.	Damaged limbs	H	Participants not allowed to hold onto any areas with joining/moving parts ie. Trolleys on belay wires.	L
Poor Instruction	Falling – broken limbs/ injury/death	M	All staff to complete training with Activate Facilities OR Activate approved training center. Thorough teaching progressions backed up by Operating Procedures & Risk Assessments.	L
Instructor Injuries when accessing	Falling – broken limbs/ injury/death	M	All staff to complete training with Activate Facilities OR Activate approved training center.	L
Participant hitting objects on decent	Bruising/Broken Limbs	H	Instructional technique. Tight rope at all times. Slow & controlled lowering by the instructor. Participant briefed on using hands & feet to fend off objects whilst being lowered.	L

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Structural Failure of Cube Course	Broken limbs/injury/ death	M	Regular visual checks by instructors & on site management. Inspections & maintenance by Activate Facilities. Structure designed by qualified engineer.	L
Jacobs Ladder & All Aboard				
Twisted Ropes	Bruising/Broken Limbs	H	Instructional technique. Ropes checked throughout activities.	L
Colliding with other participants	Bruising/Broken Limbs/ Unconsciousness	H	Instructional Technique. Well managed ropes.	L
Traversing Elements				
Tripping on belay cables	Bruising/Broken Limbs	H	Instructional Technique. Participants to be made aware of cables & associated risks.	L
The Elements				
Heat	Heat Exhaustion	M	Participants advised to bring/drink fluids.	L
	Dehydration	M	Participants advised to bring/drink fluids.	L
Sunshine	Sunburn/sunstroke	M	Participants advised to bring/wear sunblock.	L
Cold/Wet	Hypothermia	H	Participants advised to bring waterproofs. Participants advised to wear warm clothes if the weather looks to be cold.	L
Strong Winds - Falling trees/wood	Broken limbs/injury/ death	M	Cube course visually inspected during daily set up. Not to be used during high winds (40mph)	
Electric Storms - Lightening strike	Electrocution/broken limbs/injury/death	M	Cube Course not to be used during electrical storm. There must be a 20 minute wait after lightening has been sighted before use.	L