

Beaumanor Park Risk Assessment

High Ropes Course

<i>Risk Assessment – High Ropes Course</i>						
Hazard	People Harmed	Risk Control	Hazard Severity	Likelihood	Risk	Further Action
<i>General</i>						
Hitting head or danger from falling objects.	All participants	<p>All participants and staff must wear helmets at all times when on the pebbled area or anywhere under the zip wire.</p> <p>All participants to ensure their pockets are empty.</p>	H	L	7	Staff supervision and reinforcement throughout.
Equipment failure	All participants	<p>All equipment checked prior to use. Any equipment found to be damaged or suspect to be withdrawn from use until repaired or scrapped.</p> <p>All equipment to correspond to relevant specifications (UIAA or CE).</p> <p>Regular checks, replacement (as per replacement schedule) and maintenance of equipment.</p> <p>All belay systems to include the ground anchors or bases of posts.</p> <p>Fixed equipment to be checked and maintained as per maintenance schedule</p>	H	L	7	Withdrawn equipment to be removed from the climbing store.
Ill-fitting equipment	All participants	All participants to have their personal protection equipment checked by staff prior to beginning the session. Staff vigilance to ensure that equipment remains correctly fitted throughout the session.	H	L	7	

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Entrapment	All participants	Entrapment of hair/ fingers/ jewellery in rope, wires, moving components e.g. moving zip wire. Long hair to be tied up, jewellery to be removed. Participants made aware of hazard and instructors to monitor.	H	L	7	
Failure of belay system and operation.	All participants	Only staff to lower off participants. Recognised belay systems only should be used.	H	L	7	Use of prussik knots, SRCs or Gri-Gris. Close supervision of novices.
Extreme weather	All participants	If lightning or other extreme conditions are to be expected the session must not proceed. If conditions manifest themselves during the session abandon and get the group to safety as quickly as possible.	H	L	7	Obtain weather forecast prior to session taking place.
Medical emergency	All participants	First aid kit to be readily available, participants to bring their own medications to the location with them.	H	L	7	First Aid kit to be kept in the Tower.
Unauthorised Use		All climbing ropes to be removed at the end of the session and all tracer lines to be secured out of reach. Ladders removed to secure storage.	H	L	7	
Ladders	Staff	Ladders to be secured using slings when in use. Ladders to be used in accordance with safe working practice guidelines.	H	L	7	
Ground anchors	All participants	Anchors are rated but must only be used as indirect belays. The anchors are to be used as part of a system which also includes a person belaying.	H	L	7	
Lowering on Gri Gris	All participants	Only staff to lower participants.	H	L	7	

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<i>Postman's Walk</i>						
Falling from height	All participants	<p>All participants working at height to wear a full body harness and helmet.</p> <p>All participants working at height to be belayed throughout their activity.</p> <p>Staff to tie security knot in the 'dead rope' at a suitable point during the ascent stage.</p>	H	L	7	Staff supervision and reinforcement throughout.
<i>Crate Stack</i>						
Falling from height	All participants	<p>All participants working at height to wear a full body harness and helmet.</p> <p>All participants working at height to be belayed throughout their activity.</p> <p>Staff to tie security knot in the 'dead rope' at a suitable point during the ascent stage.</p>	H	L	7	<p>Staff supervision and reinforcement throughout.</p> <p>Other participants to be kept at a safe distance from collapsing tower.</p>
Hit by Crates	All participants	Belay points to be chosen well away from the area of Collapse	M	L	8	
<i>Leap of Faith</i>						
Falling from height	All participants	<p>All participants working at height to wear a full body harness and helmet.</p> <p>All participants working at height to be belayed throughout their activity.</p> <p>Staff to belay the activity.</p>	H	L	7	Staff supervision and reinforcement throughout.

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<i>High All Aboard</i>						
Falling from height	All participants	<p>All participants working at height to wear a full body harness and helmet.</p> <p>All participants working at height to be belayed throughout their activity.</p> <p>Staff to tie security knot in the 'dead rope' at a suitable point during the ascent stage.</p>	H	L	7	Staff supervision and reinforcement throughout.
<i>Jacob's Ladder</i>						
Falling from height	All participants	<p>All participants working at height to wear a full body harness and helmet.</p> <p>All participants working at height to be belayed throughout their activity.</p> <p>Staff to tie security knot in the 'dead rope' at a suitable point during the ascent stage.</p>	H	L	7	Staff supervision and reinforcement throughout.
<i>Aerial Trekking</i>						
Falling from height	All participants	<p>All participants working at height to wear a full body harness and helmet.</p> <p>All participants working at height to be tied into the system throughout their activity.</p> <p>Participants to be secured to safety line when waiting on the bridge.</p>	H	L	7	Staff supervision and reinforcement throughout.

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<i>Abseiling</i>						
Falling from height	All participants	Participants to be secured to the safety line when waiting at the top of the tower. All participants working at height to wear a harness and helmet. Participants to be secured to an abseil rope and a safety rope belayed from the top.	H	L	7	Staff supervision and reinforcement throughout.
Entrapment	All participants	The abseil to be releasable to allow for lowering the case of emergencies.	H	L	7	
<i>Climbing</i>						
Falling from height	All participants	Participants not to be allowed to climb unless roped and belayed.	H	L	7	Staff supervision and reinforcement throughout.
Hitting head or danger from falling objects.	All participants	All participants and staff must wear helmets at all times when on or near the wall.	H	L	7	Staff supervision and reinforcement throughout.
Burns to hands	All participants	Consideration given to participants to wearing gloves when operating a non-automatic locking belay system.	M	L	8	
<i>Fire</i>						
Fire	All participants	See separate fire risk assessment	H	L	7	
<i>Ladders</i>						
Falling from height	All participants	Ladders to be securely tied to the post as soon as possible when staff are climbing and before participants begin to ascend.	H	L	7	

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<i>Security against unauthorised use</i>						
Unauthorised use	Persons on site	<p>Tracer lines to be secured at a height above which the general public could reach unaided.</p> <p>Climbing panels to be drawn up after every session.</p> <p>Ladders to be locked away after every session.</p> <p>Ropes to be removed at the end of the session – if needed later then secured out of reach.</p> <p>Tower to be locked at the end of every session.</p> <p>Adequate signage to deter unauthorised use.</p>	H	L	7	