

H4H Bristol Zoo Risk Assessment 2021/2022

Approved by Rod Baber 01 Feb 2022

Activity/Hazard Who May be harmed Risk Level Control Measures

Whole Ropes Course Area

Falling from height, slipping/tripping impact with something solid	Un-authorized members of Public	Low	Restricted access-the first element (net ramp) will have a gate and will be boarded around the sides. This will be supported by appropriate fencing and signage. The access code for PPE shed is held in the main office and only issued to Head 4 Heights instructors. The shed is kept locked at all times unless an instructor is on site.
Participant Health; Asthma attacks, seizures, cardiac arrest etc.	Instructors and participants	Low	Clear notices at point of sale and entrance of course notifying customers health restrictions. Adults only permitted to purchase tickets as acting legal guardians understand health guidelines
Unsuitable behavior/Under the influence of drugs or alcohol	Participants	Low	Assess participant behavior upon arrival. If Instructor deems unsuitable request Senior Instructors assistance and get client away from course
Negligence/Staff failure	Instructors	Low	Staff training to be kept up to date and refreshed when necessary. CPD to be carried out and record once pa by Head Instructor or Rod Baber to cover rescues and lowers and recorded. Unprofessional or dangerous behavior dealt with following the H4H disciplinary procedure.
Falling from height, slipping/tripping impact with something solid	Authorized visiting members of the public	Low	All participants and instructors will be connected on the appropriate PPE when off ground. Standard safety procedures apply.
Structural failure	Course participants and instructional staff	Low	The course has been built and designed by RCD Ltd. Inspections carried out by ERCA certified inspector annually. Daily and operational recorded inspections are carried out by qualified instructors.

Objects falling from above	Course participants and instructional staff	Low	All personnel advised to remove objects from pockets, watches, jewellery etc. CE certified PPE worn throughout the activity.
Personnel falling from height	Course participants and instructional staff	Low	<p>Prior to commencing activity participants will receive a specific detailed safety briefing from the instructor concerned.</p> <p>Participants in High Ropes Activities are protected by attachment from above. This is via the aerial tech CBS system. All knots are those standard to the activity. Ground and top anchors are inspected regularly. Climbing equipment is CE certified and all PPE is inspected regularly and replaced as required.</p> <p>Max fall distance of participant 1m on lanyard. Ensuring 3-4m clearance from feet to ground level.</p> <p>Instructors/maintenance staff accessing (for inspection/maintenance/installation purposes) high ropes structures are suitably qualified instructors following safety procedures as per Safety Policy.</p>

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Falling From height slipping/tripping impact with something solid

Incorrect/inappropriate instruction/supervision by instructional staff	Course participants and instructional staff	Low	All instructional staff hold the appropriate qualification for the site. Standards compliant to UK ropes course guide 2015
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Incapacity of participants	Course participants and instructional staff	Low	H4H to ensure appropriately 1st Aid trained staff to be onsite at all time with CPR. Challenge by choice ethos is encouraged. Options of being able to stop activity at anytime supported
Inappropriate clothing /footwear	Course participants and instructional staff	Low	All participants receive information on appropriate clothing and footwear for the activity to their visit and instructional staff check clothing suitability prior to the activity. Appropriate shoes provided by H4H.
Hitting other objects whilst on Zip Wire	Course participants and instructional staff	Low	Instructional staff to ensure path of zipwire and all activities are clear before starting. Daily / annual inspections.
Safe controlled land from zip wire	Course participants and instructional staff	low	Correct landing procedures explained prior to commencing activity. Instructor to be positioned either on exit zip platform or on ground to direct participant how to land. Landing zone to be observed and leveled when required

Cuts/lacerations/bodily damage/other injuries caused by:

Impact on/snagging of jewellery	Course participants and instructional staff	Low	Safety briefings include advice /covering or removal of watches, rings, bracelets, necklaces, etc.
Impact on/contact with sharp edges/wires	Course participants and instructional staff	Low	Contactable edges rounded/sanded/protected. Wires/joints/contactable edges within remit of instructor's inspections. Activity safety briefings include instructions to avoid manual handling of all wires. Contactable wires/joints taped over.
Choking	Course participants and instructional staff	Low	Safety briefings include removal of chewing gum/confectionery/food etc. in mouths prior to activity. Pre activity brief includes

			demonstration of safe use of safety lanyard
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Trapping of long hair / clothing in apparatus	Course participants and instructional staff	Low	Secure procedures include the tying back / securing of long hair and securing or removal of inappropriate clothing
Throwing Stones	Course participants and instructional staff	Low	Safety procedures prohibit throwing stones
Emotional Trauma	Course participants and instructional staff	Low	Level 1 and 2 supervision can be received by participants at all times within 10 mins. Staff are trained to encourage and support all participants through duration of experience and physically assist when needed. Through training staff review ethical and diversity requirements. All participants are made aware they can get support when needed at anytime within 10 mins if required
Personnel falling from height	Course participants and instructional staff	Low	For all activities participants will receive a specific detailed safety briefing from the instructor concerned. Brief to be part of assessment and CPD x 1pa Participants in High Ropes Activities are protected by attachment from above. All knots are those standard to the activity. Ground and top anchors are inspected regularly. Climbing equipment is CE certified and all PPE is inspected regularly and replaced as required. Instructors/maintenance staff accessing (for

		<p>inspection/maintenance/installation purposes) high ropes structures are suitably qualified instructors following safety procedures as per Safety Policy.</p> <p>Instructors rotated over activities on regular frequency and trained to operate all H4H elements. Max time for instructors to operate on one element or position 60mins.</p> <p>Instructors observed by participants when connected to all live systems.</p> <p>Instructors to review mental check list and function test all connection points on ground as per training.</p> <p>Instructors to be rotate from element and duties of instructing every 60mins or less.</p> <p>Function test to be carried out by instructor on ground of key connection points before activity commences.</p> <p>Participant to visually be able to see where instructor is connecting them.</p> <p>Number of tasks and duties to be limited to instructor during operating activities.</p> <p>Head Instructors to be rotated.</p> <p>All instructors to be monitored daily by Senior Instructors and Operations director.</p> <p>Poor practice from instructors to be immediately reviewed by Senior Instructor and/ or operations</p>
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