

Zip Wire

Activity Area: Zip Wire
Minimum Staffing Level: 1 Instructor per group
Staff/Pupil Ratio: 1:15 (1:1 when on platform)
Staff Qualifications: In-house Training
Maximum Number of Participants: 15
Role of Accompanying Adult: Supervision of group at platform base

Hazard	Outcome/Injury	Persons at risk	Rating	Existing Controls
Cold and/or Wet conditions	Minor complications	Instructors Participants Observers	3 - 3	Instructor to check that all participants have suitable clothing prior to commencing the activity. Instructors must always wear appropriate clothing in order to run the activity safely.
Snow and Ice	Minor complications	Instructors Participants Observers	4 - 3	Instructor to inspect platform, ladders and ascent/descent surfaces for snow/ice build up prior to the activity commencing, and remove as necessary.
Sun	Dehydration	Instructors Participants Observers	3 - 3	Instructor must ensure that they make the team aware of the dangers relating to the sun i.e. heatstroke & sunburn. Instructor to ensure that the team have suitable clothing, e.g. long sleeves, trousers and sun hat.
Lightening and/or storms	Electrocution, Exposure	Instructors Participants Observers	4 - 1	Instructor is not to run this session in any serious storm. If caught out during a lightening storm, then the instructor must cease the activity immediately and seek appropriate shelter.
High winds	Head or Bodily injury	Instructors Participants Observers	4 - 3	Instructor to monitor weather & suspend or cancel session when wind conditions cause safety to be affected.
Falling objects	Head or Bodily injury	Instructors Participants Observers	3 - 3	Instructor to visually check the structure for any loose items before each session. Helmets must always be worn whilst on the zip line, not on ground floor. Instructor to brief participants at the start of the session about the correct way to use equipment. Instructor to brief participants on safety systems. Instructor to brief participants to remain in the safe area when participants are ascending/descending.
Fall whilst ascending/descending ladders	Head or Bodily injury	Participants	3 - 2	Instructor is to brief all participants on the correct use of a ladder. Instructor is to determine if the ladders are too slippery to use at the start (and during) each session. Only one person at a time may ascend/descend an individual ladder unless there is a need to do so.
Fall from platform	Head or Bodily injury	Participants	3 - 2	Instructor to clip themselves on to safety line immediately as they arrive at the platform, and remain clipped on for the duration of the activity. Instructor to clip each participant on to safety rope immediately as they arrive at the platform. Instructor to clip each participant on to descent wire prior to unclipping them from the safety rope.

WALESBY FOREST RISK ASSESSMENT

Fall from descent wire	Head or Bodily injury	Participants	4 - 2	Instructor to clip each participant on to descent wire prior to them descending the wire. Instructor to check each participant's harnesses prior to them descending the wire. Instructor to brief participant that they are not to adjust any equipment until instructed to do so immediately prior to each descent.
Harnesses and helmet incorrectly fitted	Death Serious bodily injury	Participants	4 - 1	Instructor to brief all participants on the correct fitting of harnesses and helmets prior to commencing the activity Instructor to check each individual's harness and helmet immediately before they ascend the platform
Hair, clothing or jewellery trapped in equipment	Potential/Serious Cuts, Grazes	Participants	3 - 2	Instructor is to brief all participants to tuck away loose clothing and long hair prior to participation. Instructor is to brief participants to remove prominent jewellery prior to participation. Instructor to visually check every participant prior to each descent.
Faulty equipment	Death Serious bodily injury	Instructors Participants Observers	3 - 1	All equipment has a log that relates to its age. All equipment is allocated a 'use by' date and upon this date is decommissioned. Equipment is checked on a regular basis and recorded, and replaced where necessary. Instructor is to visually check the equipment for obvious faults at the start of every session.
Participant unable to complete descent	Minor complications	Participants	4 - 4	All instructors are trained and practised in performing rescues from the activity.
Structural failure	Death Serious bodily injury	Participants	4 - 1	Zip Wire structure is inspected and certificated annually by an independent engineer. Senior Instructors are to conduct monthly visual check of the structure.
Unauthorised access	Death Serious bodily injury	Participants	3 - 1	Instructor to brief participants on arrival reference not going onto any activity without a member of staff. Clear signs to be posted at all Zip Wire structures stating no access without suitable qualified staff. Doors that access the Zip Wire tower are to be kept locked 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)