

RISK ASSESSMENT: Three Stack

Completed by: Activities Team

Date: 15/12/2021

Review Date: 15/12/2022



| What is the Hazard? | Who may be harmed? | How might people be harmed? | Risk Rating | | | Control Measures in Place | Remaining Risk | | |
|---|--------------------|--|-------------|----------|------|--|----------------|----------|------|
| | | | Probability | Severity | Risk | | Probability | Severity | Risk |
| Falling From a Height | Participants | Bruises and death (impact with ground) | 4 | 5 | 20 | <ul style="list-style-type: none"> All instructors are trained by a ropes course trainer and assessed by the technical advisor. All staff are periodically monitored to ensure compliance with procedures. All participants are provided with a suitable climbing harness. The instructor explains how to fit the harness correctly and participants are checked before ascent that the harness is fitted correctly. Whilst climbing the participant is connected to a safety rope, at all times, using a suitable climbing knot. The instructor monitors the group to make sure no one climbs before the instructor has checked their equipment and safety rope. Rigs are used as the belay device. The instructor is responsible for both belaying and lowering a participant from the activity. | 1 | 5 | 5 |
| Objects Falling From a Height | All | Bruises, contusions and concussion. | 4 | 4 | 16 | <ul style="list-style-type: none"> Everybody in the area must be wearing a helmet. All structural elements are physically checked and recorded during 3 monthly inspections, as well as visually from the ground at the start of a session. All participants are to remove everything from their pockets before they put on their climbing harness. Footwear must be appropriate and securely fastened. | 1 | 2 | 2 |
| Exposure / Hypothermia and Sunburn | All | Sunburn, high temperature and dehydration. | 4 | 3 | 12 | <ul style="list-style-type: none"> Staff and participants must have suitable clothing for the weather and activity. Both staff and clients to drink plenty of water. Sun cream applied when needed. Wooden shelters in activity area. | 1 | 2 | 2 |
| Slips, Trips and Falls | All | Cuts, bruises and grazes | 2 | 2 | 4 | <ul style="list-style-type: none"> All equipment not being used is put away in the store, or stored neatly to the side. Participants warned about potential hazards. All participants must be wearing sensible footwear (closed toe shoes). | 1 | 1 | 1 |

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| | | | Probability | Severity | Risk | | Probability | Severity | Risk |
| Adverse Weather | All | Sunburn, high temperature, dehydration | 2 | 4 | 8 | <ul style="list-style-type: none"> At the first sign of thunder and lightning continue until the flash to bang is no less than 30 secs, at which point the activity stops immediately. The activity may continue 30 minutes after thunder is last heard. If there are high winds then the activity may be stopped and anybody off the ground will be lowered down, this decision will be made by the Activities Manager or combination of Duty Manager and Lead Instructor/s. Refer to 'Adverse Weather' policy. | 1 | 4 | 4 |
| Group Behaviour | Participant | Loss of control of the group, participants being distracted/ not listening. | 3 | 4 | 12 | <ul style="list-style-type: none"> Group leaders are to ensure that the group is under control at all times. Instructor is to stop the session if participant's behaviour becomes dangerous. | 1 | 2 | 2 |
| Unauthorised Access | All | Accessing the activity at height without PPE or qualified supervision | 4 | 5 | 20 | <ul style="list-style-type: none"> All access points to be locked when the activity is not in use. Only authorized persons have a key to the area. Any access points to have sign stating 'No Access to Unauthorised Persons.' | 1 | 5 | 5 |
| Equipment Failure | Participants | Cuts, Lacerations, Death | 4 | 4 | 16 | <ul style="list-style-type: none"> All equipment is visually checked by the instructor prior to being used. Items deemed to be faulty are removed from use immediately, logged and placed in the quarantine bin. 6 monthly inspections to be completed and logged by a PPE inspector having attended a 'Competent Person' course. All structures are checked annually by a competent person. | 1 | 4 | 4 |
| Metal Splinter, cuts, or grazes | Participants, staff | Metal splinter, Cuts or Graze | 5 | 2 | 10 | <ul style="list-style-type: none"> Participants warned not to grab wires Visual checks by instructors to spot increased risk | 1 | 2 | 2 |
| Entrapment | All | Compression/ crushing injuries | 4 | 3 | 12 | <ul style="list-style-type: none"> Loose jewellery to be removed, long hair tied back and loose clothing to be secured. Instructor is trained in the correct rescue technique for the activity as well as a level 2 available onsite for a rescue. Activity is designed so there are no small spaces for feet or hands to enter. | 1 | 3 | 3 |

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| Structure Failure | All | Cuts, bruises, grazes, broken bones, multi-skeletal injury, death | 3 | 5 | 15 | <ul style="list-style-type: none"> Daily visual inspections of structure carried out during set up and logged on sheets. Detailed 3 monthly structure checks carried out and recorded. Areas of concerns to be inspected by technical expert. Annual inspection undertaken by competent person. | 1 | 5 | 5 |
| Strangulation | Participant | Broken neck, bruising, rope burn | 3 | 5 | 15 | <ul style="list-style-type: none"> Ensure correct belay technique is used to avoid slack rope. Loose items of clothing (e.g. Necker's) are removed. Instructor trained in appropriate rescue techniques. Instructor to ensure figure of 8 knot is tied correctly, incorporating both harnesses. | 1 | 5 | 5 |
| Human Error | All | Instructor complacency and/or loss of focus could result in putting everyone at risk. | 3 | 4 | 12 | <ul style="list-style-type: none"> All instructors are trained by a ropes course trainer and assessed by our Technical Advisor for roped activities. All instructors are regularly monitored to ensure procedures are complied with. All instructors are aware of where risk assessments and operating procedures are stored. Where possible, instructors to only work the same session twice in one day. Instructors made aware of any changes to activity, via activity change sheet. | 1 | 4 | 4 |

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| Level | Likelihood Factor | Severity Description |
|-------|-------------------|---|
| 1 | Very Unlikely | Insignificant – No injury or No First Aid required. |
| 2 | Unlikely | Minor – Minor injuries requiring first aid such as cuts, grazes, bruising. |
| 3 | Fairly Likely | Moderate – Injuries resulting in up to three days' absence from work. |
| 4 | Likely | Major – Injuries resulting in a week or more absence from work, for example broken bones, deep cut etc. |
| 5 | Very Likely | Catastrophic – Amputations or Death. |

| Remaining Risk Level | Description |
|----------------------|---|
| 1-5 | Very low, minimal risk, control measures more than adequate |
| 5-10 | Low, control measures satisfactory |
| 10-15 | Medium, control measures adequate |
| 15-20 | High, control measures need further consideration |
| 20-25 | Very high, intolerable, stop Job |