



Archery – Risk Assessment

The risk assessment ratings for each identified hazard, the score for the likelihood of its happening is multiplied by the score of the severity of the injury.

(For example, likelihood 2 multiplied by Severity 5 = 10 medium).

The Risk assessment is to identify hazards, value the risk and the potential harm and whom to. Have an action plan to prevent the risk and a final risk value.

| Hazard | Who | Existing Risk Value | Action to prevent | New Risk Value |
|----------------------|--|---------------------|--|-------------------|
| Slips, Trips & Falls | Participants Instructors Leaders | 5*5=25 High | Clear Briefing/Instructions, full understanding. No running in the range. Keeping a clear and tidy range. (clear path from deflected arrows, over grown bushes etc.) Being made aware of surroundings including rabbit holes or mole hills or any objects on the floor. Range layout suitable for use. (clear pathways, bench and seating locations) Appropriate footwear must be worn. | 1*1=1 Low |
| Failure of equipment | Participants Instructors Leaders | 5*2=10 Med | Equipment is tested and inspected at manufacturing. A weekly inspection is done by qualified/trained staff. Before/During use inspection done by instructor. PPE to be worn as appropriate. Range specifications is as 'a have a go range' this includes all the safety zones and dispensation. | 2*2=4 Low |
| Failure of structure | Participants Instructors Leaders Spectators | 5*5=25 High | Net poles concreted in ground, with anchors for net weight. Arborists report on trees. | 1*5=5 Low |
| Entanglement | Participants | 5*2=10 Med | Ensure all Long hair is tied up/back as appropriate. Non-loose clothing to be worn. Clear Briefing/Instructions, full understanding. PPE to be worn as appropriate. | 2*2=4 Med |
| Deflection | Participants Instructors Leaders Spectators | 5*2=10 Med | Clear Briefing/Instructions, full understanding. Ratio 1 instructor to 4 participants to be at the shooting line at a time, keeping area clear as possible. Range length to lower the risk of deflection injury. PPE to be worn as appropriate. | 4*2=8 Med |
| Behavioural Problems | Participants Instructor Leaders | 5*5=25 High | Clear Briefing/Instruction, full understanding. Yellow/red card system. Ratio's 12:1 Maximum in compound area (not inc supervisors). Site behavioural policy. Group leader must be present to control group behaviour. | 2*5=10 Med |
| Wildlife | Participants Instructors Leaders | 5*5=25 High | No food permitted in the range. Range checked before/during use. Allergies (controlled by group leader) | 3*1=3 Low |
| Weather | Participants Leaders Instructors | 5*5=25 High | Activity not to be used in lightening weather. Activity not to be used in strong winds. No running in the range. Clear Briefing/Instructions, full understanding. Appropriate lighting when required. | 1*5=5 Low |

| | | | | |
|-----------------------------------|--|----------------|--|---------------|
| | | | Rain may cause visibility issues, Instructors decision. | |
| Environment | Participants | 5*5=25 High | Floor covering to be made safe by raking the activity. Removal of any objects that cause hazards. | 1*1=1 Low |
| Covid-19 Instructor Contact | Participants Leaders Instructors | 5x5=25 High | 2m distance maintained for equipment fitting where possible. Where not possible, full medical face shield provided. No tactile coaching permitted | 2*5=10 Med |
| Covid-19 Equipment Contamination | Participants Leaders Instructors | 5x5=25 High | No sharing of equipment where possible. Where not possible, all equipment to be cleaned before use by a participant from another household Targets to be cleaned after each round of shooting | 2*5=10 Med |
| Covid-19 Structural Contamination | Participants Leaders Instructors | 5x5=25 High | Benches marked with tape to help ensure social distancing Any structural items to be wiped down after use | 2*5=10 Med |
| Covid-19 General Contact/Arrival | Participants Leaders Instructors | 5x5=25 High | Hand Sanitiser, gloves and masks made available to participants and staff before and after activity 2m social distancing maintained Participant group size reduced | 2*5=10 Med |

This risk assessment is written in accordance with the operating process and procedures.

Written by: Stuart Whythe – Acting Operations Manager

Reviewed by: Stuart Whythe

Position: Acting Operations Manager

Date: 28/01/2021

Qualifications: Archery GB Instructor and Level 1 Coach
BTEC Health & Safety Level 2

Note: Range layout is as 'a have a go' range. This also means we have dispensations of using smaller poundage bows (No more than a 26 pound bow) and only recurve style bows allowed to be used on the range. The net is a 3-meter-high net set behind the targets with a 50-meter overshoot starting behind the targets, with dead land behind that.

| Likelihood of Occurrence | Severity of Harm |
|--------------------------|------------------------------|
| 0 = Never | 0 = No Harm |
| 1 = Unlikely | 1 = Bumps & Bruises |
| 2 = Possible | 2 = Small Cuts & Lacerations |
| 3 = A chance | 3 = Broken/Fracture of Bones |
| 4 = Likely | 4 = Loss of limb |
| 5 = Certain | 5 = Fatality |

| | | Severity | | | | |
|------------|---|----------|----|----|----|----|
| | | * | 1 | 2 | 3 | 4 |
| Likelihood | 1 | 1 | 2 | 3 | 4 | 5 |
| | 2 | 2 | 4 | 6 | 8 | 10 |
| | 3 | 3 | 6 | 9 | 12 | 15 |
| | 4 | 4 | 8 | 12 | 16 | 20 |
| | 5 | 5 | 10 | 15 | 20 | 25 |

| Levels of Acceptance | |
|----------------------|------------------|
| 1-6 Low | = Acceptable |
| 7-10 Medium | = Monitor |
| 11-12 medium | = Re-evaluate |
| 13-25 High | = Not acceptable |