



## 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.	2*5=10  Med
Failure of equipment	Participants Instructors Leaders	5*5=25  High	Equipment is tested and inspected at manufacturing. A bi-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*5=10  Med
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  Low
Deflection	Participants Instructors Leaders Spectators	5*5=25  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.	1*5=10  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)	1*5=5  Low
Weather	Participants Leaders Instructors	5*5=25  High	Activity not to be used in lightning 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*5=5 Low
Storage / unsupervised use	Public Customers Staff	5*5=25 High	While not being used equipment is locked behind 2 padlocks in storage lockers to limit access. Main store covered by CCTV	1*5=5 low
Covid-19 Instructor Contact (Positive)	Participants Leaders Instructors	5x5=25 High	1m distance maintained for equipment fitting where possible. Where not possible, face masks can be worn	2*5=10 Med
Covid-19 General Contact/Arrival			Removed	

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

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Reviewed by: Stuart Whythe

Position: Deputy Centre Manager / Programmes Manager

Date: 01/2024

Qualifications: Archery GB Instructor and Level 1 Coach

BTEC Health & Safety Level 2

Risk Assessment CPD

Note: Range layout is a full outdoor 60m target range that is set out as a 'have a go'. 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