

## Crossbow Shooting

<b>Name of Section or Activity (and version number)</b>	Waddecarr Scout Activity Centre Crossbow V2023-01	<b>Date of risk assessment</b>	January 2023	<b>Review Date</b>	January 2024	<b>Name and Role of who undertook this risk assessment</b>	Alan Campbell. NSRA YPS Crossbow Tutor
---	--	--------------------------------	--------------	--------------------	--------------	--	---

<b>Hazard Identified? / Risks from it?</b>	<b>Who is at risk?</b>	<b>How are the risks already controlled? What extra controls are needed?</b>
<b>Hazard</b> – something that may cause harm or damage. <b>Risk</b> – the chance of it happening.	Young people, Leaders, Visitors?	<b>Controls</b> – Ways of making the activity safer by removing or reducing the risk from it. <i>For example - you might use a different piece of equipment, or you might change the way the activity is carried out.</i>
Equipment failure Damaged equipment leading to injury if used	All	<ul style="list-style-type: none"> <li>• All equipment to be checked by competent person on regular basis in accordance with manufacturer's instructions.</li> <li>• Any faulty, broken or worn equipment to be removed from use and quarantined.</li> <li>• Any damages must be reported by Instructor to the Site after the equipment is removed from use.</li> <li>• All bolts to be repaired and checked by competent person.</li> <li>• Range and structures to be checked prior to use and immediately afterwards to ensure no stray bolts are left around etc.</li> <li>• All equipment to be checked out and back into store before and after use.</li> <li>• All equipment to be kept in secure storage.</li> <li>• Appropriate 3 Roundel targets to be used</li> </ul>
Injury due to poor Range Management	All	<ul style="list-style-type: none"> <li>• Range complies with Archery GB safety specifications.</li> <li>• All instructors must hold relevant up-to-date qualifications for the activity – NSRA YPS Instructor</li> <li>• Instructors will be of at least 21 years of age Ref <b>UK Crossbows Act 1987</b></li> <li>• Appropriately qualified leader to assume the role of Range Safety Officer and is responsible for all aspects of safety.</li> <li>• No more than 12 persons per session allowed at the range at any time.</li> <li>• A maximum of 4 persons shooting at once</li> <li>• Instructor to stop activity immediately should any of the following occur               <ul style="list-style-type: none"> <li>- Group is too large or unruly to supervise</li> <li>- No adult supervision is provided by the group</li> </ul> </li> </ul>

## Crossbow Shooting

		<ul style="list-style-type: none"> <li>- Any rules/instructions are broken by anyone using the activity.</li> <li>- Weather conditions deteriorate</li> <li>- A person or animal moves towards or across the target area.</li> </ul>
Misuse of equipment	All	<ul style="list-style-type: none"> <li>• Crossbows to be always kept at the shooting line.</li> <li>• Participants instructed that they can only use the crossbows and bolts under direct supervision.</li> <li>• Crossbows and bolts should be kept always pointing down range and never towards another person.</li> <li>• Bolts are counted at the start and the end of the session to ensure all are accounted for.</li> <li>• Instructor talks through and demonstrates the correct way to load a crossbow and shoot a bolt.</li> <li>• All spare bolts are removed from the shooting line if the instructor leaves the shooting line to aid collection of bolts.</li> <li>• Crossbow to be placed upon rest when not in use i.e., whilst person is on range or retrieving bolts</li> <li>• Ensure foot is firmly placed inside the stirrup when cocking crossbow; failing to do this could cause the crossbow to slip from underneath the foot during cocking.</li> <li>• When cocking crossbow hold the string at equal distances on both the left and right side of the stock to avoid crossbow being cocked unevenly.</li> <li>• Never hold the crossbow around the trigger, as this could easily fire the arrow by accident.</li> </ul>
Equipment failure – injured by equipment	All	<ul style="list-style-type: none"> <li>• Equipment checked at regular intervals and recorded by a competent person. Equipment checked prior to every use.</li> <li>• Participants must not dry shoot (i.e., discharge a crossbow without and bolt in place) the crossbow.</li> <li>• All damage reported to Waddecarr Centre Management.</li> <li>• Crossbow rail should be lubricated regularly during session</li> <li>• Bowstring to be checked regularly during session</li> <li>• Safety Glasses to be worn by participants</li> <li>• Ensure the safety to the ON position as soon as the weapon is cocked, and <b>before removing</b> the foot from the stirrup.</li> <li>• Cocked crossbow, and especially if an arrow is seated, is not place on the ground, as the trigger could engage by accident. If needing to rest the crossbow somewhere, remove the arrow and manually de-cock weapon.</li> </ul>
Caught by bowstring	Participants	<ul style="list-style-type: none"> <li>• Correct shooting technique demonstrated and instructed.</li> <li>• Always keep fingers beneath the stock when shooting, and make sure no part of the arm gets in the way of the string.</li> </ul>

## Crossbow Shooting

Collecting arrows - Injured whilst removing arrows from target	Participants	<ul style="list-style-type: none"> <li>Instructions on safe collection of arrows. Participants observed closely by Range Officer.</li> </ul>
Arrows bouncing back - Hit by arrow	All	<ul style="list-style-type: none"> <li>Range constructed of materials designed to minimise risk of bounce backs. Range Officer to ensure correct aiming techniques are used.</li> </ul>
Unauthorised use – Injured by equipment	All	<ul style="list-style-type: none"> <li>Equipment is kept in a locked store when not in use.</li> <li>Equipment to be returned to the Activity Store at the end of each session. Equipment never to be left unattended.</li> </ul>

<b>Completed by</b>	<b>Name</b> , Alan Campbell <b>Role / level</b> : NSRA YPS Crossbow Tutor	<b>Checked by Line Manager</b>	<b>Name, Role / level</b> Damian King. WDCR Centre Manager <b>Date</b> 09/01/2023
---------------------	--	--------------------------------	--