


<b>Location:</b>	Leicester Outdoor Pursuits Centre	<b>Date of Assessment:</b>	June 2011	<b>Last Reviewed:</b> December 19	<b>Name of Assessor:</b>	Ed Sibson
<b>Activity:</b>	Trebuchet Building	<b>Assessment Reference No:</b>	4.29		<b>Signature of Assessor:</b>	

HAZARD	CONTROL MEASURES
Head injury	<ul style="list-style-type: none"> <li>▪ When tightening the higher firing arm nuts remove participants from underneath.</li> <li>▪ Care to be taken when moving the firing arm into place.</li> <li>▪ Participants kept well clear when operating Trebuchet</li> </ul>
Equipment failure	<ul style="list-style-type: none"> <li>▪ Equipment to be checked before each use and during assembly.</li> <li>▪ If in any doubt, equipment not to be used.</li> </ul>
Hit by the firing arm	<ul style="list-style-type: none"> <li>▪ When in use, no-one should stand immediately behind or in front of the Trebuchet when loaded.</li> <li>▪ To ensure that the arm does not swing when placing the weights into the box, the arm must be held by the Instructor.</li> <li>▪ The area directly behind the Trebuchet must be clear and managed by the Instructor.</li> </ul>
Hit by missile	<ul style="list-style-type: none"> <li>▪ No-one must stand in the direct line of fire if objects are likely to injure participants.</li> <li>▪ Light objects can be fired at a high trajectory.</li> <li>▪ Each fired object must be risk assessed on its own merits, before being fired.</li> </ul>
Trebuchet falling over	<ul style="list-style-type: none"> <li>▪ When loading the Trebuchet with the safety rope, Instructor must make sure the trebuchet does not move.</li> </ul>
Release pin fails	<ul style="list-style-type: none"> <li>▪ The safety rope must not be removed until the sling pouch is filled and everyone is out of the firing area.</li> <li>▪ Only the Instructor will remove the safety rope.</li> <li>▪ Participants must only be allowed to pick the pin release rope up when the trebuchet is completely primed and ready to fire and all participants and users are clear of the firing area.</li> </ul>
Falling over/ onto equipment	<ul style="list-style-type: none"> <li>▪ Safety brief to include; clear instructions on the build, focusing group's attention to where to build and when to take care operating around the trebuchet base.</li> <li>▪ Care to be taken when adding the supports to the firing arm.</li> </ul>
Trapped fingers	<ul style="list-style-type: none"> <li>▪ Participants must take care when lifting the frame to place bolts underneath, this must be completed by at least two people.</li> <li>▪ Participants must only carry two plates at once and care must be taken when transferring them onto the ground.</li> </ul>
Hit by wooden pole	<ul style="list-style-type: none"> <li>▪ Safety brief to include safe moving of wooden poles during the build.</li> <li>▪ When dismantling, each pole must be removed as soon as the bolts are removed.</li> </ul>
Cut to hand / finger, Splinters	<ul style="list-style-type: none"> <li>▪ Pre-use checks of equipment</li> <li>▪ Wooden poles to be regularly checked for splinters, metal work also to be checked for burrs.</li> </ul>
Manual Handling	<ul style="list-style-type: none"> <li>▪ Weights to a maximum of 5kg only to be carried by participants.</li> <li>▪ A maximum of 2 metal plates to be carried at any time.</li> <li>▪ Instructors to remind group of manual handling and safe lifting practice when moving equipment.</li> </ul>
Metal plate falling onto participants	<ul style="list-style-type: none"> <li>▪ When the uprights are put in place, participants must not be working on the base.</li> <li>▪ Participants must support the uprights while being bolted.</li> <li>▪ Diamond plates must be put in place at ground level.</li> </ul>
Further risks	<ul style="list-style-type: none"> <li>▪ All risks should be minimised by continual appraisal of participant's condition, the environment and equipment through dynamic risk</li> </ul>



	<p>assessment by the staff members involved.</p> <ul style="list-style-type: none"><li>▪ Some risks remain due to the nature of the activity but every care must be taken to minimise these.</li><li>▪ Each area that the Trebuchet will be used in must be risk assessed before use to ensure that the area is suitable, has the allocated room to fire the Trebuchet and has no members of the public or site users in the vicinity of the landing area.</li></ul>
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