


<b>Location:</b>	Leicester Outdoor Pursuits Centre	<b>Date of Assessment:</b>	5/12/12	<b>Last Reviewed:</b> March 2021	<b>Name of Assessor:</b>	Chris Murnin
<b>Activity:</b>	Bushcraft – Friction Fire Lighting	<b>Assessment Reference Number:</b>	4.37		<b>Signature of Assessor:</b>	

ITEM/ HAZARD	CONTROL MEASURES
Group Bow	<ul style="list-style-type: none"> <li>Ensure group have been fully briefed on where to stand when the bow is in use.</li> <li>Users must hold the bow with both hands.</li> <li>The group members holding the bearing block must be in a stable, kneeling or braced position.</li> <li>Non-participants and observers to stand clear of the working area.</li> </ul>
Hand drill	<ul style="list-style-type: none"> <li>Ensure group have been fully briefed on where to sit or kneel.</li> <li>Instructor to demonstrate good technique before Users attempt a go.</li> <li>Users must ensure a good grip before beginning to drill.</li> <li>Users must stop if they feel hot spots occurring on their palms.</li> <li>Non-participants and observers to stand clear of the working area.</li> </ul>
Finger entrapment	<ul style="list-style-type: none"> <li>Keep hands clear whilst the bow is in use</li> <li>Hold onto the top of the bearing block</li> <li>Instructor to demonstrate how to hold the bow correctly</li> <li>Care is to be taken when wrapping the drill in the bow string</li> </ul>
Burns	<ul style="list-style-type: none"> <li>The drill, bearing block and base board will be hot after use, leave to cool down before handling.</li> <li>Use an ember pan eg. (sliver of wood, leaf ) to move embers about, to avoid burning fingers.</li> <li>All loose hair and clothing to be tied back when blowing the ember to light the tinder nest.</li> <li>Participants to hold tinder nest lightly from below, so they are able to quickly drop it in the event of it getting too hot to hold.</li> <li>Fire only to be lit in a designated area.</li> </ul>
Drill	<ul style="list-style-type: none"> <li>Non participants to stand clear whilst bow and drill are in use.</li> <li>Drill ends will become very hot during use, do not touch</li> <li>Care is to be taken when wrapping the drill in the bow string</li> <li>Drill to be inspected for splinters and cracks before use</li> </ul>
Physical injury	<ul style="list-style-type: none"> <li>Ensure the working area is free of anything which could catch the bow or the bow hand.</li> <li>Take turns in operating the bow to reduce fatigue</li> <li>Loose hair and clothing to be tied back or removed.</li> <li>Group to be closely supervised by an Instructor</li> <li>Equipment only to be used as instructed</li> <li>Once tinder nest has taken light, it must immediately be placed in the designated fire area / fire lay, or extinguished.</li> </ul>
Further risks	<ul style="list-style-type: none"> <li>All risks should be minimised by continual appraisal of participants condition, the environment and equipment through dynamic risk assessment by the staff members involved.</li> <li>Some risks remain due to the nature of the activity but every care must be taken to minimise these.</li> </ul>