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| Location: | Leicester Outdoor Pursuits Centre | Date of Assessment: | 5/12/12 | Last Reviewed: | November 2022 | Name of Assessor: | Chris Murnin |
| Activity: | Bushcraft – Friction Fire Lighting | Assessment Reference Number: | 4.37 | | CM | Signature of Assessor: |  |

| ITEM/ HAZARD | CONTROL MEASURES |
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| Group Bow | <ul style="list-style-type: none"> ▪ Ensure group have been fully briefed on where to stand when the bow is in use. ▪ The group members holding the bearing block must be in a stable, kneeling or braced position. ▪ Users must have a firm grip of the bow before starting their first strokes. ▪ Non-participants and observers to stand clear of the working area. |
| Hand drill | <ul style="list-style-type: none"> ▪ Ensure group have been fully briefed on where to sit or kneel. ▪ Instructor to demonstrate good technique before Users attempt a go. ▪ Users must ensure a good grip before beginning to drill. ▪ Users must stop if they feel hot spots occurring on their palms. ▪ Non-participants and observers to stand clear of the working area. |
| Finger entrapment | <ul style="list-style-type: none"> ▪ Keep hands clear whilst the bow is in use ▪ Hold onto the top of the bearing block, keeping fingers clear of the drill. ▪ Instructor to demonstrate how to hold the bow correctly ▪ Care is to be taken when wrapping the drill in the bow string |
| Burns | <ul style="list-style-type: none"> ▪ The drill, bearing block and base board will be hot after use, leaving to cool down before handling. ▪ Use an ember pan eg. (sliver of wood, leaf) to move embers about, to avoid burning fingers. ▪ All loose hair and clothing to be tied back when blowing the ember to light the tinder nest. ▪ Ensure Participants hold tinder nest lightly from below, so they are able to quickly drop it in the event of it getting too hot to hold. ▪ Fire only to be lit in a designated area. |
| Drill | <ul style="list-style-type: none"> ▪ Non participants to stand clear whilst bow and drill are in use. ▪ Drill ends will become very hot during use, do not touch ▪ Care is to be taken when wrapping the drill in the bow string |



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| | <ul style="list-style-type: none"> ▪ Drill to be inspected for splinters and cracks before use |
| Physical injury | <ul style="list-style-type: none"> ▪ Ensure the working area is free of anything which could catch the bow or the bow hand. ▪ Take turns in operating the bow to reduce fatigue ▪ Loose hair and clothing to be tied back or removed. ▪ Group to be closely supervised by an Instructor ▪ Equipment only to be used as instructed ▪ Once tinder nest has taken light, it must immediately be placed in the designated fire area / fire lay, or extinguished. |
| Further risks | <ul style="list-style-type: none"> ▪ All risks should be minimised by continual appraisal of participants condition, the environment and equipment through dynamic risk assessment by the staff members involved. ▪ Some risks remain due to the nature of the activity but every care must be taken to minimise these. |

