|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | Education – Fire Activities  *(supplementary to TRA BRO.01 Education – Outdoor Activities)* | | | |
| **Location** | BEECHE, High Elms Country Park | | | |
|  | | | | |
| **Name of QHSE Department Assessor** | | | Simon Steele | |
| **Signature** | | | sign | |
| **Date of Issue** | | | 14th February 2018 | |
|  | | | | |
| **Estimated Level of Risk (Based on Findings)** | | | | |
| **Low (1-4)** | | **Medium (5-12)** | | **High (13-25)** |
| **Yes** | | **Yes** | | **No** |
|  | | | | |
| **Persons at Risk** | | | | |
| **Operatives** | | **Public /Visitors** | | **Other Contractors** |
| **Yes** | | **Yes** | | **No** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **PPE and emergency equipment requirements for this operation** | | | | | | | |
| Safety Boots | **N** | Face Protection | **N** | Gloves | **Y** | Hi Viz vest / Clothing | **N** |
| Coveralls | **N** | Hard Hats | **N** | Eye Protection | **N** | RPE | **N** |
| Hearing Protection | **N** | Wellington Boots | **Y** | Image result for first aid sign | **Y** | Image result for emergency spill kit sign | **N** |
| Image result for fire extinguisher sign | **N** | **Other** (specify below) | **Y** |
| **Local/Specific PPE and emergency equipment comments or requirements:** | | | | | | | |
| Fire gloves for those handling/building fire. Appropriate clothing to be worn. | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Local Review Details** (Assessments must be locally reviewed at the point of introduction of the task at a contract or project. Subsequent local reviews should occur: following a change in equipment and/or activity, following an incident, or as a minimum on an annual basis). | | | | | | | |
| **Name** | **Rob Dennehy** | **Introduction Date** | 14/2/18 | **Name** |  | **Date Reviewed** |  |
| **Name** |  | **Date Reviewed** |  | **Name** |  | **Date Reviewed** |  |
| **Name** |  | **Date Reviewed** |  | **Name** |  | **Date Reviewed** |  |
|  | | | | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Likelihood | Rating Given | Severity of Outcome | Rating Given | Apply a rating to both likelihood and severity and then multiply together to give actual risk rating of a particular hazard |
| Highly Unlikely | **1** | First Aid injury or minor property damage | 1 |
| Unlikely | **2** | Minor injury or property damage | 2 |
| Medium | **3** | Potential lost time injury or short term ill health | 3 |
| Likely, may occur regularly | **4** | Major illness or injury | 4 |
| Highly Likely, certain or almost certain to occur | **5** | Fatal or disabling injury or serious ill health | 5 |
|  | | | | |

| Hazard | Risk | L | S | R | Control Measures | L | S | R | Further Action Required |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Behaviour Issues | Burns, environmental damage. | **4** | **4** | **16** | The session leader will make a judgement on whether any group is suitable for the fire activities, and which parts of the activity is available to them.  Fire activities which include participants actually lighting a fire are only to be carried out with pre-arranged groups that are known to the centre from previous visits. One-off groups will not be allowed to interact with a fire.  The lesson plan will detail specific supervisory ratios depending on specific activity and age group. | **2** | **4** | **8** |  |
| Fire site issues | Burns, Fire spreading out of control. | **4** | **4** | **16** | Site to be surveyed before activity to ensure its suitability. Fire building must be in an open site with no overhanging branches.  Staff in charge of the session will be competent in building and handling fires.  Size of fire to be kept/managed at an appropriate size to ensure it does not become uncontrollable.  Pots can used to contain fire and prevent risk of other vegetation catching light, otherwise a specific marked area will be used.  Children seated at least 1.8m from fire. Circle of logs 50cm from fire area. Adult supervision to ensure children stay out of this area.  Participants to be pre-prepared by practicing and staying outside of fire area during any other prior activities that take place near the fire area.  Children instructed in proper behaviour around the fire.  Fire bucket will be available and present before lighting fire. | **1** | **4** | **4** |  |
| Lighting fire | Burns to hands, slipping and falling onto fire | **3** | **3** | **9** | Children will only ever light a spark on cotton wool for instruction. Use lighting flint, must be struck away from body into kindling. Only trained adults will light a campfire. Children will kept at the safe distance. | **1** | **3** | **3** |  |
| Assisting, feeding the fire and cooking. | Burns to hands, slipping and falling onto fire | **3** | **3** | **9** | No more than 2 - 4 children near fire at any one time (discretion of instructor). Logs placed 50cm around fire table and children stay outside of these. Close supervision at all times.  Children wear protective gloves when assisting with fire or cooking on fire. Long handled skewers to be used. Clear instruction to prevent burns to mouth/hands from eating. First aider to be present.  Fire accelerants are not to be used on fires.  Supervision to ensure that fire is not over-fed and never left unattended. | **1** | **3** | **3** |  |
| Smoke | Risk of inhalation/breathing difficulties and poor visibility. | **4** | **2** | **8** | Wood used on the fire should be dry to prevent excess smoke, and the amount used appropriate to the size of the fire desired.  Participants should be positioned up wind at a suitable distance, instructors to position themselves appropriately.  Fires must be constructed in open spaces where smoke cannot accumulate. | **2** | **2** | **4** |  |
| Putting out fire | Fire spreading out of control. | **4** | **4** | **16** | Ashes spread within fire basket and flames put out, prior to pouring on water. (Prevention of steam production). Adult to supervise until fire no longer smouldering & all cool (including ground beneath.) Ground to be wetted around the fire, or fire to be buried to prevent spreading. | **1** | **4** | **4** |  |