



**ADVENTURE PIRATE**

## AXE AND KNIFE THROWING RISK ASSESSMENT

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| <b>Axe and knife Throwing</b> | <b>Completed by: James Short – Adventure Pirate LTD</b> |
|-------------------------------|---------------------------------------------------------|

|                                       |                                                                                                                                                                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Required Instructor Competence</b> | <ul style="list-style-type: none"> <li>• DBS Checked</li> <li>• Experienced and trained in delivering activities</li> <li>• First Aid (min 16 hours)</li> <li>• WATL or Adventure Pirate In-house Training Programme</li> </ul> |
| <b>Ratios</b>                         | <ul style="list-style-type: none"> <li>• 1:12</li> </ul>                                                                                                                                                                        |

**N.B. This Risk Assessment in no way negates the need for continual dynamic risk assessment**

| Hazard               | Harm                                        | People at risk                                     | Measures. (new or existing)                                                                                                                                                                                                                                                                | Who is responsible?             |
|----------------------|---------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Handling axes/knives | Cutting self-on the axe<br>Head/knife point | Instructors & All<br>Participants/Group<br>Leaders | Axes are not honed to a sharp edge<br>• Regular maintenance/inspection of the axes undertaken to ensure that there are no burrs on the axe/knife to cause a cut.<br>• First aid kit carried<br>• Verbal warning<br>Instructors inform people how to handle axes and knives safely prior to | Adventure Pirate<br>Instructors |



## ADVENTURE PIRATE

### AXE AND KNIFE THROWING RISK ASSESSMENT

|                                     |                                    |     |                                                                                                                                                                                                                                                                                             |                              |
|-------------------------------------|------------------------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|                                     |                                    |     | letting them handle them                                                                                                                                                                                                                                                                    |                              |
| Person entering the throwing area   | Struck by axe/knife<br>Cut/bruise. | All | Instruction regarding waiting and throwing areas<br>• "Stop" rule explained and used by all involved<br>• Rear of range is roped off to prevent any person unrelated to the activity entering the activity area.                                                                            | Adventure Pirate Instructors |
| Axe/knife bouncing back from target | Impact<br>injury/cut/bruise        | All | • Targets are wooden and as such are likely to absorb the impact<br>• Wooden targets are manufactured in such a way as to allow the grain of the wood to open and accept the throwing tool.<br>Participants briefed to be light on their feet and watch and move away from any bounce backs | Adventure Pirate Instructors |
| Observer hit by<br>Axe/Knife        | Impact<br>injury/cut/bruise        | All | Instructions regarding the direction of axes/knives to be thrown.<br>Only throw at targets<br>• Participants will be warned if their behaviour become dangerous and may be removed from the activity if they continue to ack in an unsafe manner                                            | Adventure Pirate Instructors |



## ADVENTURE PIRATE

### AXE AND KNIFE THROWING RISK ASSESSMENT

|                                                    |                                       |                            |                                                                                                                                                                                                                                                                                                                                                    |                              |
|----------------------------------------------------|---------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|                                                    |                                       |                            | <ul style="list-style-type: none"> <li>• Specific waiting area- only two people to throw at a time.</li> <li>• Stop rule used if instructors notice a person stepping onto the range, or comes past the waiting line.</li> <li>• Anyone not throwing must stand/sit in the waiting area- even if they are not involved in the activity.</li> </ul> |                              |
| Target falling on participant when retrieving axes | Bruising/crush injuries               | All staff and participants | Targets are hung up and secured on chains. Mobile target is secured to a tripod stand. • Dynamic assessment made of wind conditions- Check that targets won't be blown over.<br>• Demonstration and explanation of how to remove axes and knives from targets                                                                                      | Adventure Pirate Instructors |
| Splintered/damaged axe shaft                       | Cuts/splinters to participants' hands | All staff and participants | Regular and ongoing inspection. Brief participants to let the instructor know if they feel any sharp edges on handles.<br>• Use of sandpaper/tape to cover splintered handles<br>• Handles replaced if cannot be repaired (spare handles included in kit)                                                                                          |                              |



## ADVENTURE PIRATE

### AXE AND KNIFE THROWING RISK ASSESSMENT

|                                                                  |                                                                           |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |
|------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|                                                                  |                                                                           |                                              | <ul style="list-style-type: none"> <li>• First aid kit carried</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |
| Struck by axe during throwing                                    | Impact injury, cut or bruise                                              | All staff and participants                   | <ul style="list-style-type: none"> <li>• Maximum of two participants throwing at a time</li> <li>• Sufficient space between participants to avoid being struck</li> <li>• Instructor to stand at side or behind of throwers</li> <li>• Sufficient distance between throwing line and waiting area in accordance with WATL guidelines</li> <li>• Correct efficient and controlled throwing technique instructed and demonstrated.</li> <li>Only collect axes on the command "Clear to Collect" from the instructor.</li> <li>• Instructor to be watchful of dangerous technique and intervene immediately if unsafe.</li> </ul> | Adventure Pirate Instructors |
| Cold, wet windy day.<br>Hot, sunny day<br>Inappropriate clothing | Difficulty controlling body temperature<br><br>(Hyperthermia/Hypothermia) | Instructors & All Participants/Group Leaders | <p>Appropriate clothing to be worn / carried.</p> <p>Appropriate amounts / type of food and drink should be carried dependent on weather conditions, terrain etc.</p> <p>Appropriate group safety equipment to be at range</p>                                                                                                                                                                                                                                                                                                                                                                                                 | Adventure Pirate Instructors |



## ADVENTURE PIRATE

### AXE AND KNIFE THROWING RISK ASSESSMENT

|                                     |                                                                                                                 |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                      |                              |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Maintenance & security of equipment | Malfunction of equipment causing injury.                                                                        | Young persons and adults participating.<br>Members of the public                | Equipment including axes/knives to be kept in secure, lockable storage.<br>Axes/knives to be inspected and Maintained/sharpened by competent person on regular basis and prior to use.<br>Damaged axes/knives to be taken out of use immediately and either repaired or destroyed immediately<br>Damaged/broken axes and knives must not be kept in the same storage as ones in use. | Adventure Pirate Instructors |
| Transporting Equipment              | Slip/trips/falls Cuts/bruises<br>Broken bones<br>Collision with other people/object<br>Manual Handling injuries | Young persons and adults participating.<br>Instructors<br>Members of the public | Persons transporting equipment between secure store and range must be a competent instructor.<br>Axes/knives must remain in box whilst being transported. Large axes must be carried in a safe manner.<br>Axes/knives must not be transported through crowds of people<br>Do not attempt to carry more than capable.                                                                 | Adventure Pirate Instructors |
| Leaving equipment unattended        | Theft<br>People throwing axes and knives un-supervised causing                                                  | Young persons and adults participating.                                         | Axes and knives to be locked away securely whilst not in use.<br>Participants and axes/knives must never                                                                                                                                                                                                                                                                             | Adventure Pirate Instructors |



## ADVENTURE PIRATE

### AXE AND KNIFE THROWING RISK ASSESSMENT

|                            |                                                                                                          |                                                                                  |                                                                                                                                                                               |                              |
|----------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|                            | Injury/Death                                                                                             | Instructors.<br>Members of the public                                            | be left unattended.                                                                                                                                                           |                              |
|                            |                                                                                                          | Young persons and adults                                                         |                                                                                                                                                                               | Adventure Pirate Instructors |
| Unacceptable Range setup - | Injury to members of the public entering the range<br>Injury to members of the public outside the range. | Young persons and adults participating.<br>Instructors.<br>Members of the public | Instructor to consider surroundings carefully before erecting range.<br>The range is to conform to WATL guidelines with regards safe distances and back stops where possible. | Adventure Pirate Instructors |

#### Major First Aid Procedure:

Call 999 for help

Instructor in charge starts first aid on casualty



ADVENTURE PIRATE

## AXE AND KNIFE THROWING RISK ASSESSMENT

One assistant removes other participants from scene

Inform party organiser of incident

Record incident

Emergency telephone number: 07920162549

Emergency services: 999/221

Nearest A&E: Poole General Hospital, Longfleet Rd, Poole BH15 2JB. Tel: 01202 665511

The Royal Bournemouth General Hospital, Castle Lane East, Bournemouth, Dorset. BH7 7DW [Tel:01202 303626](tel:01202303626)