Risk Assessment – Palm Drill and Bit and Brace

To be read in conjunction with other risk generic assessments i.e. General Welfare and Weather, Daily/ Site Specific and emergency site information.

Risk Benefit: What is the benefit to the children of offering this experience? Supervised activity using these tools allows participants to understand correct use of tools. Helps boost confidence and self-assurance. Encourages participants to have belief in their practical ability. Teaches new practical skills. Encourages self risk assessment Encourages use of different muscles and physical control in a physical activity				
Probability Score: 1. <5% chance that it will occur – very unlikely 2. 25% chance that it will occur 3. 50% chance that it will occur 4. 75% chance that it will occur 5. >95% chance that it will occur – very likely	**Severity Score** 1. Not serious – no first aid required 2. Minor Injury – requiring basic first aid 3. Injury – requiring non immediate professional medical attention 4. Serious injury/multiple injuries – requiring immediate medical attention 5. Major accident – multiple injuries or fatality		**Calculate the risk levels:** The rating is calculated from the probability multiplied by the severity which will give a rating between 1 & 25. Our Forest School will not be carrying out any activities deemed to have a revised rating of over 12 as they are deemed too dangerous	
Hazard	**Who is at risk and from what?**	**Risk Rating (Probability x Severity =)**	**Control measures to reduce the risk and actioned by whom?**	**Revised Risk Rating (Probability x Severity =)**
Accident/ Illness-	may suffer accident, illness requires treatment etc.	2x2=4	• Induction and reminder health and safety talks given to emergency situation to new staff, volunteers and participants	1x2=2

			• Up to date first aid kit on site • Appropriate no. of first aid trained staff and volunteers on site during sessions • Accident book for incident recording on site • Emergency site information sheet available to direct emergency services to site • Charged mobile phone/s available and emergency site information form available to show directions to nearest main lines phone.	
<u>Storage of tool and equipment-</u>	May suffer from falling items	2x2=4	• Storage of tools and equipment in suitable, safe containers • FS leader will lead and monitor unloading	1x2=2
<u>Moving tools and equipment to site-</u>	may suffer from trips or falls or other injuries due to incorrect carrying technique	2x2=4	• Warning to take more care given when ground is wet or slippery • Palm drills must be carried and in a secure box	1x2=2

			• Bit and Brace must be carried in a container and without the drill bits attached. • Tools to be counted in and out	
Lack of maintenance-	may suffer injuries from broken parts or unsafe technique of use.	2x3=6	• Check all tools before use • Ensure tools are correctly maintained, including cleaning and sharpening • Clean and dry tools after use • Store damaged tools separately	1x3=3
Incorrect tool use-	may suffer injury from incorrect tool use	2x3=6	• Instructions in correct tool use given to all staff, volunteers and participants including stance, ie always downwards onto a firm surface. Position of body to tool always side on. • Instructions on how to use will be demonstrated before activity • Wood cookie can be held in a V shaped clamp to prevent slippage	1x3=3

			• A glove must be worn on non tool hand, the hand that is holding the wood that is being drilled. • Supervision by FS leader and other responsible adults • Ratio 1:6	
<u>Trips, Slips, Falls-</u>	are at risk from tripping over objects	2x2=4	• Make participants aware of trip hazards, uneven ground and muddy sloped • Prior Information sent to participants suggesting they wear sturdy outdoor footwear with a firm grip • Trip hazards and slippery surfaces mentioned in safety discussion can be made particularly important when carrying and using heavy or sharp tools. • FS leader should monitor ground conditions and fill out daily site check sheet before each session	1x2=2
Poor Behaviour	Cuts or lacerations, severe bleeding which could be potentially fatal	5x5=25	• If staff are concerned that the behaviour is compromising the safety of	2x5=10

			their session they must immediately stop all tool work. • Tool work will only be taught to participants who are age and stage appropriate. Staff need to dynamically risk assess and decide whether participants are in the right frame of mind or not on any given day.	

Date : 3/10/2026 Signed by: Liz Cooke