Risk Assessment – Electric Drills

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

<table>
<tr><td colspan="5">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 participants to take responsibility for their own and each other's health and wellbeing by following safety precautions.</td></tr>
<tr><td>Probability Score:
<5% chance that it will occur – very unlikely
25% chance that it will occur
50% chance that it will occur
75% chance that it will occur
>95% chance that it will occur – very likely</td><td colspan="2">Severity Score
Not serious – no first aid required
Minor Injury – requiring basic first aid
Injury – requiring non immediate professional medical attention
Serious injury/multiple injuries – requiring immediate medical attention
Major accident – multiple injuries or fatality</td><td colspan="2">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</td></tr>
<tr><td>Hazard</td><td>Who is at risk and from what?</td><td>Risk Rating (Probability x Severity =)</td><td>Control measures to reduce the risk and actioned by whom?</td><td>Revised Risk Rating (Probability x Severity =)</td></tr>
<tr><td><u>Accident/ Illness-</u></td><td>may suffer accident, illness requires treatment etc.</td><td>4x4=16</td><td>Induction and reminder health and safety talks given to emergency situation to new staff, volunteers and participants
Up to date first aid kit on site</td><td>1x3=3</td></tr>
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			• 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> • returning of equipment to its storage facility or the FS Vehicle.	May suffer from falling items	2x2=4	• Knives to be kept in locked container • FS leader will lead and monitor • Tools to be numbered, counted out and counted in	1x2=2
Improper use	Cuts or lacerations, severe bleeding which could be potentially fatal	4x5=20	• Participants are taught to use Electric Drills in the correct way and explanations given as to the dangers of misuse • Participants to use Electric Drills only when it is age and stage	2x4=8

			appropriate as judged by staff Always remove the battery before changing the bit AND WHEN NOT IN USE.	
Electric Drills slipping whilst being used	Cuts or lacerations, severe bleeding which could be potentially fatal	5x5=25	Staff to: • keep participants fingers and hands out of the way in case the drill slips. Use clamps or V shaped wooden brace if possible to hold the wood being drilled into, wear gloves on the hand holding the wood if clamps aren't possible. • Ensure participants respect blood bubbles • Make sure Electric Drills are only ever used on a hard surface, and that participants drill down towards the hard surface	1x4=4
<u>Lack of maintenance-</u>	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

Badly maintained Electric Drills	Increased risk of cuts, lacerations, severe bleeding, death	5x5=25	• Electric Drills to be routinely checked for damage. If a drill has damage that is not easily and quickly rectified it will be decommissioned and responsibly disposed of.	2x5=10
<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
<u>Improper PPE</u>	Risk of injury from knife use to self or others	2x3=6	• Hair should be tied back and any loose clothing removed	1x3=3

			• Correct use of gloves should be ensured, ie not on the hand holding the knife • Cut Resistant gloves to be used	
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 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.	2x5=10

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