

Risk Benefit Assessment: **Fire and cooking on the fire**

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Other RA's referred to: **Using tools RBA**

Activity/Hazard	Benefit	Risks	Level of risk (use Matrix)			Control methods	New level of risk (use Matrix)		
			L	C	L		L	C	L
Fire in general	<ul style="list-style-type: none"> -Life skills -Independence skills -Warmth -Managing risks -Achieving -Perseverance -Mathematical language 	Severe burn	Likely	Catastrophic	Extreme	<ul style="list-style-type: none"> -burns bucket with lid full of water -hair accessories to ensure hair is up -watering can full of water -fire blanket accessible -fire gloves -Teach about stance and body position -Create rules when chn/adults can enter the fire circle -Assess suitability of area -Only walk around fire -Teach about fires in general -Teach how to use a fire lighter -Ensure fire size is appropriate -Ensure you have enough fuel -Wood to be assessed prior to use to ensure suitable - Do not burn Cherry Loral, elder or yew. -Use ash, oak or silver birch. -Wear appropriate clothes (no scarfs) -Ensure area using is cleared -Learn/teach about what wood not to use -Teach how to extinguish fire appropriately -Ensure no impact on area used -Ensure no evidence of fire is left -Ensure adult close by is first aid trained -Ensure all fire safety equipment has ce label 	Unlikely	Catastrophic	High

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Cooking on an open fire	<ul style="list-style-type: none"> -Life skills -Independence skills -Warmth -Food -Managing risks 	<p>Severe burn</p> <p>Food poisoning</p> <p>Allergic reactions</p>	Likely	Catastrophic	Extreme	<ul style="list-style-type: none"> -As above -Ensure cooking utensils are being stored appropriately when not being used -Avoid cross contamination -Have a thermometer to check temperature of food -Check allergies of group -Ideally person cooking to have food safety certificate -Think about what will be used to serve food -Think about what will be used to eat food -Think about how leftover food will be discarded 	Unlikely	Catastrophic	High
Sitting around the fire	<ul style="list-style-type: none"> -Warmth -Gathering collectively -Reflecting 	Severe burn	Likely	Catastrophic	Extreme	<ul style="list-style-type: none"> -As above in general section -Ensure logs/benches are appropriate distance away from fire (1.5 metres or more) 	Unlikely	Catastrophic	High
Lighting fire	<ul style="list-style-type: none"> -Life skills -Independence skills 	Severe burn	Likely	Catastrophic	Extreme	<ul style="list-style-type: none"> -Teach stance when using fire lighters -model how to use firelighters -Ensure fire lighting onto a bench or stump -Have a wooden block/shell to firelight cotton wool onto -Assess suitability of activity for learners 	Unlikely	Catastrophic	High
Using Kelly Kettle	<ul style="list-style-type: none"> -Life skills -Independence skills -Warmth -Hot drinks -Managing risks 	<p>Severe burn</p> <p>Scalding</p>	Likely	Catastrophic	Extreme	<ul style="list-style-type: none"> -As above in general section -Use fire gloves when moving kelly kettle -Input fuel through the top chimney by keeping our hands to one side of the opening, resting the stick on the edge of the chimney and letting the stick fall in. -Do not overfill kelly kettle -Check suitability of kelly kettle before use -Use stainless steel Kelly kettle -Ensure use on a flat and stable surface -Add bung once water if boiled to transfer -Transfer kettle using gloves and carrying using handle -Pour using handle and chain for bung. 	Unlikely	Catastrophic	High

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Eliminate the hazard	E.g. repair or replace damaged tools; take down overhead, hanging branches
If this is not practicable, then	
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Substitute the hazard	E.g. provide gluten free snacks and drinks for FS learners with allergies; teach in a different area
If this is not practicable, then	
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Isolate the hazard	E.g. mark the overhead, hanging branch with a red flag / create boundary hazard tape;
If this is not practicable, then	
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Use equipment to help you	E.g. use wheelbarrow for moving heavy stumps;
If this is not practicable, then	
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Use paperwork process to help you	E.g. log of regular tool maintenance; ensure daily site check/ risk assessment carried out and recorded
If this is not practicable, then	
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Use Personal Protective Equipment and clothing	E.g. provide well fitting gloves for learners who require them; ensure learners are wearing long sleeved tops and trousers
Until you have a better method of control	

Risk Matrix						
		Consequence				
		Insignificant	Minor	Moderate	Major	Catastrophic
Likelihood	Almost certain	Moderate	High	High	Extreme	Extreme
	Likely	Moderate	Moderate	High	Extreme	Extreme
	Possible	Low	Moderate	High	High	Extreme
	Unlikely	Low	Low	Moderate	High	High
	Rare	Low	Low	Low	Moderate	High