

Risk Benefit Assessment: **Den building**

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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
Using ropes	-fine motor development -team work -resilience -perseverance -using ropes for a purpose -achieving -creativity	Strangulation Being trapped by a rope	Unlikely	Catastrophic	High	-Model and discuss use of ropes -Correct ratios -Be aware of how many ropes we have -Ropes to be accounted for at end -Assess suitability of ropes prior -Process praise the chn	Rare	Moderate	Low
Using tarp	-Shelter -Teamwork -independence skills -perseverance -resilience	Suffocation	Rare	Catastrophic	High	-Model and discuss use of tarps -Ensure tarps used follow safety requirements -Correct ratios -Carry out head counts -Check the weather and area prior to use -Process praise the chn	Rare	Moderate	Low
Using logs/branches	-Gross motor skills -Purposeful -Shelter -Independence	Being hit by a long/branch Dropping on a limb	Possible	Major	High	-Teach rules on travelling with logs/branches (drag branch if longer than arm) -Explain how to work as a team if transporting heavy log/branch	Rare	Minor	Low
Using pegs	-Physical development -Purposeful -Creativity -Achieving -Safety	Stabbing	Possible	Catastrophic	Extreme	-Use plastic pegs -Demonstrate how to carry with pegs -Count pegs -Pegs to all be accounted for at the end -See Using tools RBA for using mallets	Rare	Minor	Low

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Tying ropes to trees	-Using knot skills -Shelter -Perseverance -Resilience -Achieving -Independence -Life skills	Tripping Walking into rope	Possible	Moderate	High	-Use bright ropes or attach ribbons for awareness -Ensure ratio is correct -Modelling -Teach about tree suitability -Assess trees prior and tape off any dead wood	Unlikely	Minor	Low
Large objects falling from canopy	-Shelter -Independence -using natural world for a purpose	Death	Unlikely	Catastrophic	High	-Check weather prior -Assess trees prior and tape off any dead wood -pick suitable area to carry out activity	Rare	Major	Moderate
Small objects falling from canopy	-Shelter -Independence -using natural world for a purpose	Bump Bruise	Likely	Minor	Moderate	-Check weather prior -Assess trees prior -Pick suitable area to carry out activity	Possible	Minor	Moderate

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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