

## Kenelm Youth Trust Activity Risk Assessment – Mangonel

The Mangonel activity involves the building of one or two catapults built from rope and plastic poles to fire sponges.

Hazards	Who is affected	Likelihood	Severity	Risk Control Measure	Further Risk Control Measure / Actions	Residual Risk
<b>Entrapment of fingers between ropes and poles</b>	Participants, Staff, Visiting Teachers	Likely	Slight harm	Safety briefing and demonstration Full supervision of group.		Low
<b>Impact injury due to being struck by firing pole</b>	Participants, Staff, Visiting Teachers	Likely	Harmful	Safety briefing and demonstration of firing a sponge. This is to include ensuring that the “loader” is clear of the firing catapult. The loader is to firstly load the sponge and then to fire. Leader to ensure all participants are clear of the firing catapult.	Full supervision of group and to stop the activity if participants are not listening to instruction.	Low
<b>Impact injury due to being struck by a swinging pole or falling structure</b>	Participants, Staff, Visiting Teachers	Likely	Slight Harm	Safety briefing and demonstration. Poles are carried one person at each end. Four participants to hold structure as it is being fired. Clear demonstration of square lashings to ensure that structure is tied together safely.	Full supervision of group and to stop the activity if participants are not listening to instruction.	Low
<b>Minor injuries, cuts, grazes, etc.</b>	Participants, Staff, Visiting Teachers	Likely	Slight Harm	Activity Leaders are First Aid qualified and carry a first aid kit.	Pre-use check of the condition of the plastic poles and ropes.	Low



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<b>Climatic Injury</b>	Participants, Staff, Visiting Teachers	Likely	Harmful	Participants briefed to dress appropriately for the weather conditions.	Activity Leaders can halt the activity if weather too hot to continue. Move group to warm or shade. Water to be on hand.	Low
<b>Slips/Trips</b>	Participants, Staff, Visiting Teachers	Likely	Slight Harm	Activity is conducted on grassed area.	Ground and weather conditions to be monitored to avoid slipping.	Low
<b>Snow/Ice Frozen conditions</b>	Participants, Staff, Visiting Teachers	Highly Likely in Winter months	Harmful	Activity not to be used in icy conditions/dynamic risk assessment of conditions.		Low
<b>Lightning Strike</b>	Participants, Staff, Visiting Teachers	Highly Unlikely	Harmful/Fatal	Use "flash to bang principle" <a href="https://www.rospa.com/leisure-safety/advice/lightning.aspx">https://www.rospa.com/leisure-safety/advice/lightning.aspx</a>	Mangonel not to be used during lightning storm.	High





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- 1 signed off activity leader to 16 participants.

Risk assessment conducted by:	Signature:	Date:	Approved by:	Signature:	Next scheduled review date:
Richard Moore		Apr 2024	Sandra Satchell		April 2025



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