

RISK ASSESSMENT

Risk assessment for: Changing materials

Key – **P**=Presenter/Facilitator **A**=Audience/Workshop Attendees **V**=Volunteer(usually in show)

Activity	Hazard	Persons in Danger	Severity (1-5)	Likelihood (1-5)	Risk (S x L)	Control Measures	Safety Advice Given to Participants
General Workshop hazards	Children not following instructions Children not using equipment in an appropriate manner	Workshop attendees	3	1	3	Appropriate supervision must occur at all times by teacher or other responsible adult from the school. Instructions for appropriate conduct during activity must be given to the audience/attendees.	
Burning candles	Burns, candle being knocked over and igniting a surface.	A	2	2	4	Tea lights used, which are very shallow and low to the ground so less likely to knock over. Candles are lit by supervising adult and pupils advised not to touch them. Candles are placed on heat proof mats to protect the table surface from melting/catching fire.	
Heating droplets of water over tea lights	Burns, scalds,	A	2	2	4	Very small quantity of water heated (around 3 drops) pupils advised to wear safety goggles in case any boiling water spits into eyes or faces	
Heating droplets of saltwater over tea lights	Burns, scalds,	A	2	2	4	Very small quantity of water heated (around 3 drops) pupils advised to wear safety goggles in case any boiling water spits into eyes or faces	
Melting soap over tea lights	Allergic reaction to soap. Burns from spilling melted soap on selves. Consuming the soap	A	2	2	4	Children are supervised at all times, with each adult supervising no more than 8 children each. Teachers and students are consulted about any possible	Pupils advised not to eat soap, and to alert presenter if they have any allergies

						allergies, and latex gloves are supplied if necessary. Melting point of soap is very low <math><40^{\circ}\text{C}</math> so if any is spilt on skin accidentally it shouldn't cause severe burns. pupils advised to wear safety goggles in case any hot soap ends spits up into eyes or faces	
Heating sugar over tea lights	Burns, scalds. Allergies, consuming sugar	A	3	2	6	Melted sugar can be very hot, but it melts and solidifies very quickly and only a small quantity is used. Children are supervised at all time, with each adult supervising no more than 8 children each. pupils advised to wear safety goggles in case any hot sugar spit up into their faces or eyes.	Pupils advised not to eat sugar and to alert presenter if they have any allergies.