

Risk Assessment – Fire/Great Fire of London

Creator/Reviewer of Risk Assessment	Name Sian Stratton
	Signature 
Next Review Date	September 2023

Severity	Likelihood	Risk Rating* (S x L)
1 No or Little Harm	1 Unlikely	1-5 Low
2 Minor/First Aid	2 Possible	6-10 Medium
3 Medical Attention	3 Probable	10+ High
4 Hospitalisation	4 Likely	
5 Death/Irreparable Injury	5 Certain	

Science Oxford Risk Assessment			Severity	Likelihood	Risk Rating*
Hazard	Risk	Control Measures			
Use of fire	Presenter Burns from various flammables or heated objects	<ul style="list-style-type: none"> Flammables to be held with tongs Heat resistant gloves to be worn when holding objects that get hot Presenter trained on safe use of a blowtorch Paper houses kept on heatproof mats, and lit at a single point Newspaper strips kept relatively small Teabag embers to be caught on small heat-proof mat Fire tornado to be kept on flat, stable surface, left to cool down Long "barbecue" style lighters to be used Sparklers to be disposed of safely if used <ul style="list-style-type: none"> Dangers of hot sparklers to be explicitly explained to children 	4	1	4
	All, Venue Fire started	<ul style="list-style-type: none"> Table is covered by welding mat, with heat-proof mats on top All burning to be performed over heat-proof mats Presenter familiarises self with location of venue fire extinguishers Presenter to check location of smoke alarms Presenter inspects vicinity of presentation area, especially height of ceiling and anything hanging from ceiling Show WILL NOT proceed if presenter has unresolved concerns Fire extinguisher (powder) is carried with kit Fire blanket carried with equipment Spare fire blanket can be placed on floor in front of table if necessary Fuels kept in separate sealed box when not in use 	5	1	5

Please use this risk assessment in conjunction with your own prior assessments, our COVID-19 guidelines and dynamic management of risk.

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		<ul style="list-style-type: none"> Fuel containers always resealed after use and returned to sealed box <ul style="list-style-type: none"> Fuel never left on demonstration table or near ignition sources Blowtorch only ignited when explicitly in use Excess fuel/water mix allowed to drip from banknotes Extreme care taken in particular with banknote soaked in methanol <ul style="list-style-type: none"> All excess fuel must be allowed to drip free Container of methanol sealed and kept clear of ignition sources Custard powder fireball checked before show, audience kept at least 2m from demonstration, performed only in room with high ceiling 			
Use of balloons	Presenter, Volunteer Rubber shards going in eye	<ul style="list-style-type: none"> Presenter to look away at point of burst, volunteer told not to look up. 	2	2	4
	Volunteer Latex allergy	<ul style="list-style-type: none"> Volunteer is warned about use of balloon 	2	1	2
	Volunteer Getting wet if water balloon unexpectedly bursts	<ul style="list-style-type: none"> Sufficient water in water balloon Blue roll available to mop up spills 	1	1	1
Use of copper chloride	All Copper chloride is toxic	<ul style="list-style-type: none"> Small quantity used on watchglass, container stored safely Cleared away and surfaces wiped if there was any spillage Children not to be allowed access 	3	1	3
Use of fire piston	Presenter Slip and fall	<ul style="list-style-type: none"> Use of carpet tile if venue surface poses slip risk 	2	2	4
Use of hazardous materials	All Various risks, as above	<ul style="list-style-type: none"> No equipment to be left unattended at any point 	5	1	5
Exposure to disease (such as COVID-19)	All Person to person transmission	<ul style="list-style-type: none"> Balloon demo to be done without audience volunteer 	3	2	5

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