



RISK ASSESSMENT

Event: Assembly 3

Date:

Likelihood: how likely is it that the harm presented by the hazard will actually occur?	Severity: what impact or damage could the harm presented by the hazard have on a person or persons?
High (3): Harm is certain, or near certain, to occur	High (3): Death or major injury
Medium (2): Harm will often occur	Medium (2): 7 day injury or illness
Low (1): Harm will seldom occur	Low (1): All other injuries or illnesses

Risk rating: Once the likelihood and severity have been determined, the risk can be calculated as shown below:

	Likelihood		
Severity	3	2	1
3	High	High	Medium
2	High	High	Medium
1	Low	Low	Low

Hazard	People affected	Risk Rating (L x S = R)			Control Measures	Residual Risk Rating (L x S = R)		
Burning Money	Assessor:				Date:			
Burning Hand	Boffin	M	M	H	Ensure correct training has taken place, look at wearing a glove.	L	M	M

Elephant's Toothpaste	Assessor: DGH				Date: 22/06/2013			
Foam may over flow and damage table cloth, table and floor	Presenter and equipment	L	L	L	Do not exceed the recommended quantities	L	L	L
Oxygen test - Children may play with fire, out of school and unsupervised		L	M	M	Always give appropriate fire warning that children must never play with fire	L	L	L
Oxygen Test - Tripping a smoke alarm	Audience and Presenter	L	L	L	If possible have smoke alarms disengaged for the duration of the presentation else ensure that the quantity of smoke produced is minimal	L	L	L
Oxygen Test - risk of localised fire	Audience and Presenter	L	M	M	Ensure that spills are fully extinguished	L	L	L
Iodine can permanently stain material black or yellow	Audience	L	L	L	Potassium Iodide can leave a stain. Do not allow the audience to touch foam or get it on their clothes	L	L	L
Split Hydrogen Peroxide can damage material by oxidisation	Presenter	L	M	M	Hydrogen Peroxide to be kept in vented bottle with appropriate label with lid tightly closed when not in use	L	L	L
Hydrogen Peroxide can cause oxidisation	Presenter	L	M	M	Presenter to wear gloves and safety glasses	L	L	L
Exothermic Reaction may cause slight burn on skin	Audience and Presenter	L	L	L	Do not allow anyone to touch the experiment and equipment whilst it is still hot	L	L	L

Hazard	People affected	Risk Rating (L x S = R)			Control Measures	Residual Risk Rating (L x S = R)		
Film Canister Rockets	Assessor: DGH				Date: 18/02/2015			
Rocket Canister may hit person	Volunteers or presenter	L	L	L	Ensure that all work is done at arms length and that at least two minutes are allowed before the Presenter returns to a failed launch	L	L	L
Slipping on wet floor	Volunteers or presenter	L	M	M	Launch rocket on kitchen towel launch pad. Any residual liquid must be wiped up immediately.	L	L	L

Kebab Balloon	Assessor: DGH				Date: 05/03/2015			
Skewer injuring child	Audience	L	L	L	Skewers are only handed out when children are under controlled circumstances and collected immediately the experiment is finished	L	L	L

Magic Arcs	Assessor: Brains				Date: 10/12/2017			
No known hazard		L	L	L		L	L	L

Piezo Popper	Assessor: DGH				Date: 21/04/2015			
Canister could hit a member of the audience	Audience	L	L	L	Canister must never be pointed at anyone	L	L	L
Hot canister could burn a hand if retrieved carelessly	Audience	M	L	L	Warn audience not to touch canister. Presenter to retrieve with care	L	L	L
Consumption of material or contamination in eyes	Young people	L	L	L	Warn them not to eat it nor put it near their eyes	L	L	L
Flash Back could burn a hand	Presenter	L	M	M	Presenter must wear a work glove on the hand holding the canister end	L	L	L
Electric Shock (Harmless - Very low amps)	Presenter	L	L	L	Do not hold apparatus too close to the canister. Holding it further back will ensure that the wire sleeve insulates the electric charge.	L	L	L