



RISK ASSESSMENT

Event: Great Gases Workshop

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)		
Crushing Can	Assessor: D Simons				Date: 10/10/2018			
Slippery Floor	All	M	M	H	Ensure only presenters are near the experiment. Clean up after every time.	L	L	L
Burning hand on hot can on top of camping stove	Presenter	L	M	M	Do not touch the can, wear gloves and lift can with tongs.	L	L	L

Eggward	Assessor: DGH				Date: 18/02/2015			
No known hazard		L	L	L		L	L	L

Film Canister Rockets	Assessor: DGH				Date: 18/02/2015			
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
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

Hydrogen Balloon	Assessor: D Simons				Date:			
Sudden bang may cause fright	Audience	L	L	L	Warn audience that there will be a bang when cannon or balloon goes off			
Hydrogen igniting from the conical flask	Audience and Presenter	L	H	M	All naked flames extinguished before the Hydrogen is generated. When the balloon of Hydrogen has been filled move the conical flask as far away from the main desk as possible. If reaction is still vigorous add an extra balloon to collect Hydrogen gas. The gas from this balloon is to be released outside away from the school at the end of the day.	L	L	L
Reaction in the conical flask is too vigorous	Presenter	M	L	L	Ensure there is a water bath on the table to lower the temperature of the reaction vessel.	L	L	L

Hazard	People affected	Risk Rating (L x S = R)			Control Measures			Residual Risk Rating (L x S = R)		
Suction Mat	Assessor:			Date:						
No known hazard		L	L	L				L	L	L