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RISK ASSESSMENT

Event: Know Your Newton 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)		
Alcohol Cannon	Assessor: D Simons				Date: 08/08/2018			
Hand Gets Burnt	Boffin	M	H	H	Ensure correct training procedure has been followed, have a fire extinguisher ready, douse hand completely in water. Ensure hand and surrounding skin is fully wet before beginning the experiment.	L	M	M
Flames come out from the end of the cannon	Audience and Presenter	M	L	L	If too much Isopropyl Alcohol is in the cannon there may be small flames at the end of the cannon after it is fired. These flames can be blown out and stamped out if on the ground.	L	L	L
Unauthorised person may gain access to Flash Paper	Children	L	L	L	Ensure that Flash Paper is not left on full view when not in use	L	L	L
Sudden bang may cause fright	Audience	L	L	L	Warn audience that there will be a bang when cannon goes off			
Isopropyl Alcohol		L	M	M	Highly flammable - Irritant to eyes and skin - KEEP AWAY FROM NAKED FLAMES			

Bouncing Balls	Assessor:				Date:			
Tripping on Balls	Audience	L	L	L	Ensure that loose balls are gathered	L	L	L
Bouncing Balls may fly out of control	Audience	L	M	M	Warn that the ball will bounce more than expected and ensure the balls are bounced in a safe location	L	L	L

Eggs into water	Assessor: D Simons				Date:			
Slip caused by water spillage	Anyone present	L	L	L	Any spilt water must be wiped up immediately	L	L	L

Hazard	People affected	Risk Rating (L x S = R)			Control Measures	Residual Risk Rating (L x S = R)		
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Stomp Rockets		Assessor: DGH			Date: 05/03/2015				
Stomp rocket could hit person	Audience and Presenter	L	L	L	Presenter to ensure that there is always an adult at the launch point. Launching allowed only if the flight range is free of people	L	L	L	
Colliding Heads (Rocket Collection)	Younger children	L	L	L	Presenter should designate children to act as collector and all the others should remain seated and not chase around collecting	L	L	L	

Thrust with Balloons		Assessor: DGH			Date: 28/09/2015				
Colliding Heads (Rocket Collection)	Younger children	L	L	L	Presenter should designate children to act as collector and all the others should remain seated and not chase around collecting	L	L	L	