



# Supreme Incursions

**Engaging. Educational. Hands on.**

## Task-Based Risk Assessment: Crazy Chemicals

Identify Task		Identify hazard	Potential Impact	Risk Rating before controls	Control Measures	Risk Rating following corrective action
1	Introduction and vortex cannon	Smoke machine and vortex cannon.	Asthmatic students or students with allergies may experience a reaction or go into anaphylactic shock.	Extreme	Advise staff of the potential risks for students who may be affected. Assess the work area for appropriate ventilation before using the smoke machine. Monitor smoke levels throughout the activity.	Low
2	Dry	Steel balls.	Steel balls create small sparks that could be harmful to students' eyes. Steel balls could hurt students' fingers.	Extreme	Clearly explain and demonstrate to students how to use steel balls safely. Ensure that students are wearing protective equipment (safety goggles) and have adequate space to use steel balls safely.	Low
3	Wet	Chemical substances and Rockets.	Students could ingest substances or items and students with allergies may experience a reaction.	High	Instruct students on how to use the rockets safely. Ensure students know that nothing is to be placed in their mouths during the incursion. Ensure all chemicals and substances used in incursion are food grade and are unharmed.	Low
4	All Activities	Equipment.	Students could choke on or ingest small items used in activities.	Extreme	Ensure students know that nothing is to be placed in their mouths during the incursion. Explain to staff to ensure adequate supervision.	Low
5			Students could obtain injuries caused by inappropriate handling of equipment.	Medium	Demonstrate and explain to students how to safely handle equipment. Explain boundaries to students and warn against standing where items are propelled.	Low
6		Trips, slips and/or falls.	Students could fall, trip or collide on/off equipment and/or with other students.	High	Explain and demonstrate how to appropriately use equipment at each rotation. Keep areas tidy as frequently as possible so equipment and materials do not accumulate on the floor.	Low



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In assessing the level of risk, considerations such as the likelihood of an incident happening in combination with the seriousness of a consequence are used to gauge the overall risk level for an activity. The matrix below has been used as a guide to assist with developing the risk assessment:

Likelihood	Consequence				
	1 Insignificant	2 Minor	3 Moderate	4 Major	5 Critical
5 Almost Certain	Medium	Medium	High	Extreme	Extreme
4 Likely	Low	Medium	High	High	Extreme
3 Possible	Low	Medium	High	High	High
2 Unlikely	Low	Low	Medium	Medium	High
1 Rare	Low	Low	Low	Low	Medium

Risk Level	
Low	Little chance of incident or serious injury.
Medium	Some chance of an incident and injury requiring first aid.
High	Likely chance of a serious incident and injury requiring medical treatment.
Extreme	High chance of a serious incident resulting in highly debilitating injury.