



# 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	Museum & Magnetism	Steel balls and other equipment.	Steel balls create small sparks that could be harmful to students' eyes. Steel balls could hurt students' fingers. Students could slip on equipment if left on the floor.	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. Keep areas tidy as frequently as possible so equipment and materials do not accumulate on the floor.	Low
3	Rockets, Magic Sand and String Slime	Chemicals, substances and Orbeez.	Rockets may propel and hit a student. 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 unarmful.	Low
4	Sun Prints	Paper and assorted parts.	Students could place items in their mouths and choke. Students could slip on a small object if left on the floor.	Extreme	Ensure students know that nothing is to be placed in their mouths during the incursion. Explain to staff to ensure adequate supervision. Instruct students to pick up objects if they fall on the floor.	Low
5	VR and Merge Cubes	Overcrowding and electrical cables.	Students may fall, trip or collide with other students or over electrical cables.	High	Clearly explain and demonstrate how to use the equipment safely. Review area to determine if it's an appropriate and safe workspace. Ensure cables are packed away from students.	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.