

SESSION 5: ROCKETSHIPS - RISK ASSESSMENT

Describe the activity	What is the hazard?	Who is at risk?	How severe is the hazard? (High, medium, low)	How likely is the hazard? (High, medium, low)	What measures should be taken?
Filling bottles with vinegar	Injury: slips and falls from spilt liquids	All	Med	Low	<input type="checkbox"/> Have paper towels (or similar) ready to mop up spillages
Mixing of bicarbonate of soda with vinegar	Faintness: reaction of Vinegar with bicarbonate of soda creates carbon dioxide. Excessive exposure can lead to faintness	All	Med	Low	<input type="checkbox"/> Vinegar and bicarbonate of soda reaction is done with small quantities such that only small quantities of carbon dioxide are produced. <input type="checkbox"/> Use in well ventilated area (e.g. big room/ windows open/outside)
Launching rocket	Injury: hit by rocket	All	Med	Low	<input type="checkbox"/> Keep a safe distance from the rocket at all times. <input type="checkbox"/> Add 'fuel packet' at arm's length <input type="checkbox"/> Do not look directly into the bottle/cork end <input type="checkbox"/> Set an area for observers <input type="checkbox"/> Only an adult should go back to a rocket that failed to launch
Retrieving rocket	Injury: hit by rocket	All	Med	Low	<input type="checkbox"/> Only retrieve rockets that successfully launched. <input type="checkbox"/> Leave rockets that were not successful <input type="checkbox"/> Do not launch and retrieve different rockets at the same time
Rocket failed to launch	Injury: hit by rocket	All	Med	Low	<input type="checkbox"/> Only an adult should go back to a rocket that failed to launch

IMPORTANT: These rockets should be launched outdoors – do not place the bicarb of soda in with the vinegar until you are outside and ready to launch.

