

# Risk Assessment



Activity	Visit to Stardome Observatory		
Instructors		Date	
Group		Location	Stardome Observatory One Tree Hill Domain Royal Oak Auckland ph (09) 624 1246

Risks (potential losses)					
1	2	3	4	5	6
Death or injury from collision with car or bus.	Children going missing.	Asthma attacks, epileptic seizures	Sunburn (if doing activities outdoors)	Severe eye injury or burn (if using solar telescope)	Projectile injury (if launching rockets)

Causal factors	Risk reduction strategies
<b>People:</b> <ul style="list-style-type: none"> <li>Children not following guidelines set by teachers and Stardome staff.</li> <li>Inadequate supervision of children during the visit</li> <li>Careless drivers.</li> <li>Failure to carry medication for those children with medical conditions. ie. asthma, epilepsy.</li> <li>Children not using precautions against the sun. eg. sunblock, hats.</li> </ul>	<ul style="list-style-type: none"> <li>Make sure children are attentive to all safety instructions given by teachers and Stardome staff.</li> <li>Ensure students are fully supervised at all times during their visit.</li> <li>Warn children to take care when crossing the car park, and teachers to supervise.</li> <li>Ensure children or teachers are carrying any necessary medication for any students' specific medical needs.</li> <li>Ensure that, before the visit, all children taking part in outdoor activities have sunblock and a hat.</li> </ul>
<b>Equipment:</b> <ul style="list-style-type: none"> <li>Solar telescope</li> <li>Rocket launcher equipment</li> </ul>	<ul style="list-style-type: none"> <li>Use of Solar telescope is always supervised, and students are advised on safety protocol around this equipment by Stardome staff.</li> <li>Use of rocket equipment is by trained Stardome staff only. Students will be asked to stand at a safe distance from equipment, and away from the expected path of the rocket.</li> </ul>
<b>Environment:</b> <ul style="list-style-type: none"> <li>Busy car park outside the front door of Stardome.</li> <li>Dark atmosphere inside planetarium may cause disorientation.</li> <li>Changing lights in the planetarium may induce epileptic seizures.</li> <li>The nature of the 360 degree show on screen may induce motion sickness in some susceptible people.</li> </ul>	<ul style="list-style-type: none"> <li>Teachers must warn students of the risks of the park, and supervise students alighting from vehicles and crossing the car park.</li> <li>Stardome staff will advise students that the light level in the dome is lower, and to watch their step. They will also ensure the light levels are appropriate.</li> <li>In the case of an epileptic seizure, staff will ensure the person is kept safe during seizure, then call ambulance and contact school.</li> <li>Stardome staff will inform people before show starts of the possibility of motion sickness, and inform them to look away from the screen until their stomach settles, or remove them from the theatre if severe.</li> </ul>