

Risk Assessment – Water Rockets/Rocket Cars

Creator/Reviewer of Risk Assessment	Name Ian Snell
	Signature 
Next Review Date	September 2025

Severity	Likelihood	Risk Rating* (S x L)
1 No or Little Harm	1 Unlikely	1-5 Low
2 Minor/First Aid	2 Possible	6-10 Medium
3 Medical Attention	3 Probable	10+ High
4 Hospitalisation	4 Likely	
5 Death/Irreparable Injury	5 Certain	

Science Oxford Risk Assessment			Severity	Likelihood	Risk Rating*
Hazard	Risk	Control Measures			
Launching rockets upward	Everyone Being hit by a rocket	<ul style="list-style-type: none"> Rockets only to be launched by a responsible adult or a child supervised 1-to-1 by a responsible adult. All observers to stand a safe distance (at least 15m) away from the launch area. Do not launch if the weather is windy (in excess of 20mph). In the case of a rocket tipping over while the pumping is being carried out, pumping should cease immediately. The rocket should only be approached by a responsible adult and from the rear (nozzle end), such that if it were to launch whilst on the floor the rocket would move away from the person. Place barrier between rocket and launcher in case of rocket tipping over. 	3	1	3
Launching rocket cars	Everyone Being hit by a rocket car	<ul style="list-style-type: none"> Rocket launches to be supervised, clear instructions given. Observers to stand off to the side. Observers instructed not to enter until all rocket cars launched. 	2	1	2
Use of water	Everyone Slip hazard	<ul style="list-style-type: none"> Have paper towels ready to mop up spillages if indoors. Use of funnel to minimise spills Responsible adult/presenter to fill bottles 	2	2	4

Please use this risk assessment in conjunction with your own prior assessments and dynamic management of risk.