

Risk Assessment Form

General Risk Assessment

Equipment / Activity / Area being assessed	Compressed Air Rocket Launcher	Risk Assessment No:	
Location			
Who is exposed?			
Date of assessment:			
Assessor's name:			
Next Review date:			

	Hazard	Control Measures already in place to control the risk	What additional Control Measures are required?	Risk rating (H, M, L)	Completed/ Escalated to:
1	Injury from use of table equipment and during the rocket making process	Children will be making their own paper rockets, and these will then be fired into a safe isolated area by a member of the National Space Centre's Education Team. Participants will be supervised by the Presenter during their activity	Training and supervision provided by a responsible person during the workshop.	L = 1 S = 1 R = 1 = L	
2	Use of scissors / tape during the rocket making process	Safety scissors will be used and tape will be taken from a dispenser.	Training and supervision provided by a responsible person during the workshop. First aid treatment available in the event of an accident.	L = 1 S = 2 R = 2 = L	

3	Injury from paper rockets in flight in the galleries	Participants will be warned of the unpredictable nature of the rockets flight. Only those flying rockets should be in and around the flying area, and remain behind the launcher until the rocket has been launched	Training and supervision provided by a responsible person during the workshop.	L = 0 S = 1 R = 0 = L	
4	Potential injury to individuals from using the hand operated air pump	<p>The hand operated pump will only be operated by a designated member of the education team at all times.</p> <p>Education staff to receive training in operating the pump, and to avoid WRULDS (Work related upper limb disorders) The amount of pressure to be used will be pre determined at the start of the demonstration.</p> <p>The demonstration will take place in an area that will always be isolated away from members of the public by tensor barriers if necessary</p>	<p>Supervision of the audience will be provided by the responsible person presenting the workshop.</p> <p>Visiting children should always be with their parents or guardian.</p> <p>School groups should always be supervised by teachers or group members throughout the entire demonstration.</p>	Injury =2 Likelihood =1 Risk = 2 = L	

Risk Rating Scale

Risk = Likelihood of injury x Severity of injury

$$R = L \times S$$

Low risk = 0 – 6, Medium risk = 7 - 12, High risk = 13 - 25

		S = Severity of injury					
		No injury or illness (0)	Minor injury or illness (1)	First aid injury or illness (2)	“3 day” injury or illness (3)	Major injury or illness (4)	Fatality, disabling injury, etc (5)
L = Likelihood	Zero to very low (0)	0 = Low	0 = Low	0 = Low	0 = Low	0 = Low	0 = Low
	Very unlikely (1)	0 = Low	1 = Low	2 = Low	3 = Low	4 = Low	5 = Low
	Unlikely (2)	0 = Low	2 = Low	4 = Low	6 = Low	8 = Medium	10 = Medium

Likely (3)	0 = Low	3 = Low	6 = Low	9 = Medium	12 = Medium	15 = High
Very likely (4)	0 = Low	4 = Low	8 = Medium	12 = Medium	16 = High	20 = High
Almost certain (5)	0 = Low	5 = Low	10 = Medium	15 = High	20 = High	25 = High