

Risk Assessment – Planetarium

Creator/Reviewer of Risk Assessment	Name Sian Stratton
	Signature 
Next Review Date	September 2023

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			
Dome positioning	Everyone Trips	<ul style="list-style-type: none"> Dome to be placed with adequate space to walk around the perimeter Fan to be positioned away from thoroughfares <ul style="list-style-type: none"> Cables covered if necessary 	2	2	4
	Equipment damage	<ul style="list-style-type: none"> Adequate height allowed to prevent the dome touching the ceiling. Not to be installed under any light fixtures, sprinklers or other hazards. If location is used as a thoroughfare, it should be either closed to traffic or have staff positioned outside to prevent people jumping on the dome 	2	2	4
	Everyone Injury from someone jumping on the dome	<ul style="list-style-type: none"> Warnings given to audience before entry If location is used as a thoroughfare, it should be either closed to traffic or have staff positioned outside to prevent people jumping on the dome 	2	2	4
Entry/exit	Everyone Trips	<ul style="list-style-type: none"> Instructions on entering/exiting the dome are discussed beforehand Power cables to be tucked against system box. Lamp/bright visuals on inside dome before audience enter/exit Audience clearly instructed to enter/exit dome one at a time. Audience clearly instructed to walk, not run Audience clearly instructed to walk around edge of dome, to avoid projection equipment in the centre, and create a one-way traffic flow. Audience to sit on the floor as soon as they've reached their place Audience will be asked not to lean against the edges of the dome All participants to be seated before turning off interior light Audience will be instructed to stay seated during the presentation. 	2	1	2

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

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	People with mobility issues Difficulty entering/exiting	<ul style="list-style-type: none"> Side of the dome can be lifted for easier access Those with mobility issues should enter and exit without the rest of the audience blocking access routes (i.e. first in, last out) 	1	3	3
Dark enclosed interior	People with claustrophobia or fear of the dark Panic or anxiety	<ul style="list-style-type: none"> Lighting provided on entry and exit Presenter to discuss details and provide reassurance if made aware Opportunity to leave dome provided <ul style="list-style-type: none"> A child leaving will require an escort; as such there must always be at least two adults from the school accompanying a group of children 	2	2	4
Simulated movement	People with motion sickness Nausea	<ul style="list-style-type: none"> Presenter warns audience and instructs them to look down or close their eyes if they start to feel unwell and wait until the spinning stops. Presenter to be mindful of motion speed during manual control. 	2	2	4
Emergency evacuation	All Being trapped in an emergency	<ul style="list-style-type: none"> The dome will be flipped over for a quick exit. Presenter trained on what to do in the event of an emergency Two people are required to flip the dome <ul style="list-style-type: none"> An additional adult will be instructed how to assist At least two adults from the school must be accompany any group; if one must escort a child out, there will always be one left Presenter has battery powered light for use in the event of a power loss. 	5	1	5
Exposure to disease (such as COVID-19)	All Person to person transmission	<ul style="list-style-type: none"> Inflatable domes have constant air flow due to the fan that keeps them inflated ensuring that adequate ventilation is always maintained. The fan should be positioned behind the presenter to minimize the greatest number of possible transmission vectors. Anyone displaying potential symptoms should not enter the dome 	3	2	6

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