



Risk Assessments for activities at BBC Stargazing Live.

Everything you know about space is wrong

Description of activities: This is a poster 'treasure hunt'. Members of the public try to find the answers to a quiz sheet on posters placed around the public areas of the building.

Identified Hazards	Current precautions	Hazard to whom?	Total Severity 1-10	Likelihood 1-10 (at that severity)	Risk Rating (severity times likelihood)
Participants may wander into non-public areas of building, or encounter trip hazards.	Quiz sheet will warn to stay in public areas and that no 'treasure' set in restricted areas. Site H&S officer responsible for the public environment.	Participants	1	1	1

Non-Newtonian fluid

Description of activities: This is a basin of flour & water mix, which forms a 'weird alien' substance. Participants will be encouraged to fiddle with it and try to figure out what it is and what its properties are. Suitable for younger children.

Identified Hazards	Current precautions	Hazard to whom?	Total Severity 1-10	Likelihood 1-10 (at that severity)	Risk Rating (severity times likelihood)
Participants may try to consume substance. Microbial and foreign object contamination risk.	Warning sheet for parents, and overseer in the same room. Participants advised to wash hands after contact	Participant (due to bacterial contamination from other participants)	1	1	1

Rocket Room

Description of activities: Invited members of local model rocketry groups will be asked to come and show off their model rockets.

<i>Identified Hazards</i>	<i>Current precautions</i>	<i>Hazard to whom?</i>	<i>Total Severity 1-10</i>	<i>Likelihood 1-10 (at that severity)</i>	<i>Risk Rating (severity times likelihood)</i>
Model rockets may contain hazardous materials	ALL rockets set down for event, no explosives on site	Any in room	2 (Explosives on site would still be covered by insurance)	1	2

Volunteers from UKSEDS

Description of activities: Volunteers will be brought in from a Student Organisation to help run the event. These students have helped at numerous similar events. They will be fully briefed on what they will be helping with.

No credible hazards identified.

Haz-Box

Description of activities: Participants will test 'dangerous chemicals' in a containment box to see if they are acid or alkaline. 'dangerous chemicals' will be things such as talcum powder & cola.

<i>Identified Hazards</i>	<i>Current precautions</i>	<i>Hazard to whom?</i>	<i>Total Severity 1-10</i>	<i>Likelihood 1-10 (at that severity)</i>	<i>Risk Rating (severity times likelihood)</i>
Participants may consume chemicals	All chemicals chosen will be non-toxic	Participants	1	1	1
Participants may be allergic/sensitive to chemicals	No peanut products will be used, and box must be used with guardian's supervision. Guardians will be told what chemicals are in use.	Participants	4	1	4
Participants may end up with stained clothes	Participants advised to take due care, especially in delicate clothes. Wet-wipes will be provided to help tidy. Set-up near bathroom if possible.	Participant	1	4	4

Bangs & Booms Presentation

Description of activities: Jon London will conduct his 'explosives' presentation. Includes the desk top rocket engine, and several fires, loud pops, etc.

Identified Hazards	Current precautions	Hazard to whom?	Total Severity 1-10	Likelihood 1-10 (at that severity)	Risk Rating (severity times likelihood)
Participants may interfere with materials in between presentations	All chemicals/ pyrotechnics will be stowed in an area not accessible to the public in between shows	Participants	7	1	7
Children may come into 'danger area' during presentations	Verbal warning given at start of presentation. Presentation takes place behind demarkation barrier which public is kept behind Visual check of any danger areas before igniting any pyrotechnics.	Anyone who has moved into the designated danger area	5	1	5
Pyrotechnics may act in an unusual / dangerous manor	The experiments in question do not always work according to plan, but the failure modes are such that if it does not work, it fails to go off, rather than explode with more force than anticipated.	Presenter, anyone in surrounding area	7	1	7
Presenter may not perform presentation correctly / miss-use pyrotechnics	Presenter has been fully trained (He designed this particular presentation personally) and has performed presentation many times before.	Presenter, anyone in surrounding area	7	1	7

Possible other activities that we may bring

(If time permits, as an addition to contracted activities)

Description of activities: Concepts such as: Remote controlled 'Mars rovers'. Alien Lifeform Analyser, etc. all take the form of controlling something electronically, or physically. Participants will be effectively be playing a computer game, or a board game. If any additional activities are brought, risk assessments will be filed before they are placed in front of the public.



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