

General Risk Assessment Form

Date: 12/09/2019	Assessed by: Jamie Sloan	Validated by: Linda Bennett	Location: Events Space (Space Pavilion), or Wolfson auditorium	Assessment ref no: 2019JBDC0908	Review date: 12/09/2020
Task / premises: Destination Space education workshop, for KS2 pupils (ages 7-11). Involves presenter demonstrations and practical activities. This document describes activities specific to this workshop; please also see 'General risk assessment for all workshops' which also applies.					
Activity	Hazard	Person(s) in danger	Existing measures to control risk	Risk rating	Result
"Whoosh bottle": Igniting 30ml of ethanol poured into an empty 9L water cooler bottle	Burns	All	<ul style="list-style-type: none"> Presenter to inspect integrity of whoosh bottles before workshop – any cracks or other signs of damage will result in the bottle being immediately replaced Whoosh bottle to be placed at least 2 metres from audience Presenter will ensure space is clear above the neck of the bottle before ignition Whoosh bottle placed on hard level surface (e.g. plastic chair or table top) – toppling over very unlikely Whoosh bottle to be lit at arm's length using long splint Flame will be restricted to the neck of the whoosh bottle (a narrow diameter) First aiders always available on site 	LOW	A
	Fire	All	<ul style="list-style-type: none"> Whoosh bottle to be lit at least 2m from any flammable material (e.g. Star Pavilion curtains) Fire extinguisher in close proximity Demonstration to only take place in teaching spaces with high ceilings, i.e. the Events Space, or Wolfson auditorium All presenters trained as fire marshals 	LOW	A
	Use and storage of ethanol	All	<ul style="list-style-type: none"> Ethanol supplies to be stored in locked chemical cupboard/fire safe Small 'decanter' bottles to be filled up in advance with the ethanol required for the day When unattended, primed decanter bottles to be kept in locked fire safe, away from pupils or general public 	LOW	A
Analysing fake urine	Slips, due to spillages	All	<ul style="list-style-type: none"> Volume of liquid in test tubes small, will not create large spillages Any spillages will be cleaned up immediately 	LOW	A
Collecting strength and heart rate data	Stress at not wanting to record data	Pupils	<ul style="list-style-type: none"> Medical data can be sensitive. Some pupils may be uncomfortable recording their strength or heart rate data. Activity is not mandatory and pupils can choose not to participate. 	LOW	A

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Use of electrical equipment	Electrocution	Pupils	<ul style="list-style-type: none"> All electronic items used by pupils are battery powered – no risk of dangerous shocks 	LOW	A
Making circuits	Burns from overheating components	Pupils	<ul style="list-style-type: none"> Only one 1.5 V battery supplied – small risk of overheating Pupils supervised at all times by presenter and additional adults 	LOW	A