

Risk Assessment /Risk control - The Observatory Science Centre Herstmonceux

Activity	BRIDGE BUILDING
Area	Geodesic Domes, Outside areas or Science Station
Who is at risk?	Employees, public, volunteers, visitors

Compiled by (print) Sandra Voss (sign) _____

Hazard Identified	Likelihood (L,M,H)	Severity (L,M,H)	Risk (L,M,H)	Workplace precaution(s)	Requirements for risk control systems	Review Required If:
Floors – Slips, trips and falls	L	M	M	Ensure that all floors are dry and not slippery before the workshop begins	Slippery floor safety signs when necessary Mop and dry any wet areas	
Construction of Truss bridge. Trapped fingers/toes Splinters Back injury from lifting Blows to the head	L L L L L	M M L M M	M M L M M		Safety Talk and constant adult supervision at all times. Inspection of equipment for obvious problems, correct lifting procedures	Different bridge used
Construction of Arch bridge Trapped fingers/toes Back injury from lifting	L L	M M	M M		Safety Talk & constant adult supervision at all times. Inspection of equipment for obvious problems, correct lifting procedures. Ensure children with slippery shoes do not cross the bridge unaided Ensure an adult is on hand to help the student cross the bridge Do not allow anyone to cross the bridge if it has not been adequately built.	Different bridge used

Likelihood: The chance of the hazard or event actually occurring during the life of the exhibit.
High (H): Could happen frequently Medium (M): Could happen occasionally Low (L): Could happen, but only rarely

Severity: The extent of the harm (injury or ill health) should the hazard occur.
High (H): Irreversible injury Medium (M): Reversible injury requiring a week to recover Low (L): Negligable injury requiring First Aid

Risk Rating: Once the likelihood & severity have been determined, the risk is calculated as follows:			
	Likelihood		
Severity	H	M	L
H	High	High	Medium
M	High	High	Medium
L	Medium	Medium	Low

Risk Assessment

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Description of activity

Bridge building is a supervised group activity lasting approximately 30 minutes

Groups of children must be accompanied by own teacher / parent / helper and a member of Science Centre staff.

The workshop commences with a safety talk and these safety points are reinforced throughout the 30 minute activity

Students construct a truss bridge and/or an arch bridge and then walk over the structure before dismantling it.

Risk assessment is a simple process that must be applied to show that all identified risks have been eliminated or minimised to an acceptable level.

Any risk identified during a regular review of the activity for example, during its design development, any testing or prototyping, manufacture of parts, installation, operation, maintenance, should be recorded on the risk assessment form. All actions taken should be recorded to illustrate that this risk has been reduced to a minimum.