

RISK ASSESSMENT FOR THE INPUT BRIDGES

What are the Hazards?	Who might be harmed and how?	What is ICE doing already? What further action is necessary?	How will ICE put the assessment into action?
Creation of paper tubes	<p>Children by paper cuts</p> <p>Children by catching fingers in hole punch</p> <p>Children by splinters, slipping on dowels</p> <p>Children by horseplay with dowels</p>	<p>Children warned</p> <p>Children warned</p> <p>All dowels checked for rough edges and splinters. Children warned.</p> <p>Dowels to be issued singly by ambassadors and activity to be carried out at desks (i.e. no dowels on floor)</p> <p>Children under close supervision.</p> <p>Children warned. Repeat offenders removed from activity.</p>	<p>Ambassadors to brief children prior to commencement of construction.</p> <p>Ambassadors to check dowels.</p> <p>Ambassadors to maintain lookout for dowels dropped on the floor.</p> <p>Ambassadors to stop unruly behaviour.</p> <p>Teachers to remove children from activity if necessary.</p>
Joining of tubes	<p>Children by swallowing nuts and bolts</p> <p>Children by slipping on nuts and bolts</p>	<p>Children warned</p> <p>Nuts and bolts to be distributed by ambassadors and kept on desks at all times. Nuts/bolts removed during construction/ demolition to be collected immediately by ambassadors.</p> <p>Children under close supervision.</p>	<p>Ambassadors to brief children prior to commencement of construction.</p> <p>Ambassadors to maintain lookout for nuts and bolts dropped on the floor.</p>
Testing of bridge	<p>Children by dropping weights</p> <p>Children by collapse of structure</p>	<p>Weights to be handled by ambassadors.</p> <p>Ambassadors to carry out test. Children briefed to stand well back.</p>	<p>Ambassadors to brief children to keep clear.</p> <p>Ambassadors to retain possession of weights.</p>

NOTES:

The assessment methodology is strictly in accordance with the Health & Safety Executive Guidance on Risk Assessment, INDG163 (rev2) revised 06/06. Risk assessment prepared by ICE. This Risk Assessment does not take account of activity that would normally be expected in a classroom environment. **Outcome of assessment is that all risks are low and effectively controlled by identified arrangements. No incidents have ever been recorded as a result of using this activity by the Institution of Civil Engineers. Only experienced presenters will deliver this activity.**

ICE makes use of photographs in publicity materials, newsletters and content on its website. All measures are taken to ensure children's names (if they appear in publication) are not represented against individuals in photographs. Schools should advise if the use of such materials is not permissible.