

Design Technology Knowledge Organiser	Term 5	Year 1 and 2
Key vocabulary		Significant Projects
<p>Can you design and make a bridge that spans a river or road of ½ metre, carries the weight of a 1KG vehicle and sustains the pressure for 1 minute?</p> <p>Design Make Evaluate</p> <p>Strength of materials Safety Visually appealing</p> <p>.</p>		<div data-bbox="1131 343 1377 742" data-label="Image"> <p data-bbox="1153 347 1355 383">Isambard Kingdom Brunel FRS</p> <p data-bbox="1131 699 1377 734">Brunel by the launching chains of the SS Great Eastern by Robert Howlett, 1857</p> </div>
Techniques –		
<p>Use rolls of newspaper and masking tape. Design in triangles. Then create pyramids.</p> <div data-bbox="208 885 492 1189" data-label="Image"> <p data-bbox="208 1098 492 1189">The Clifton Suspension Bridge spans Avon Gorge, linking Clifton in Bristol to Leigh Woods in North Somerset</p> </div> <p data-bbox="504 1165 2027 1230">Evaluate the bridge during a class challenge test – by weight carried, length of time standing and length/span of the bridge over A river or road.</p>		