

Design and Technology Knowledge Map - Autumn 1 - Bridges



A Suspension Bridge



An Arch Bridge

A Truss Bridge



vocabulary

1	Pillar	Pillars allow bridge builders to span bigger areas.
2	Beam	Beams are formed into different shapes and support the bridges strength.
3	Truss	A truss is made up of several beams connected together in different ways.
4	Force	An application of pressure placed on an object that can cause it to be pressed and squeezed.
5	Arch	An arch in a bridge is used to spread the compression forces across the stone blocks.
6	Structure	

Design → Make → Evaluate

7	Bridge	
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