



Structures

Building bridges



Key Vocabulary

Arch A curved, symmetrical structure.

Girder a large iron or steel beam used for building bridges and the framework of large buildings.

Rigid Something that is unable to bend or be forced out of shape.

Suspension A type of bridge that uses ropes to suspend the bridge from.

Triangulate To form into a triangular shape

Measure I identify the size of something.

Cutting Could be done with scissors, a Stanley Knife, a machine

Strengthen To make something stronger. joining Attaching materials together.

Finishing Finishes are added to a product to improve its look or function

Design A plan that helps you make something.

Explore To investigate how something is made, including the materials and methods used to create it.

Evaluate To examine and make judgements about a product/item.

What I will learn:

- To explore pictures of different bridges and discuss how they are made, materials, shapes etc.
- Explore creating bridges using different materials i.e. marshmallows, spaghetti, toys, blocks, rolled up newspaper.
- Create a design for a bridge that is tall and strong and can carry a specific weight.
- Select materials and create a bridge from design
- Evaluate their own and others work for strength, shape, usability etc and discuss with others.

