

Key Vocabulary

Year 5 Structures Summer Term Bridges (Evaluate)

Learning Sequence

Key Word

Definition

Beam bridge

A bridge which is built with horizontal beams and vertical pillars.

Truss bridge

A bridge which is built from a series of triangular beams.

Arch bridge

A bridge which is built with a curved arch.

Lamination

Layers of material bonded together.

Corrugation

A material with parallel folds on the surface.

Rigid

Something that is stiff or fixed which cannot be bent easily.

Stiffness

How firm or hard something is.

Stability

Something that is firmly fixed or unlikely to move.

Aesthetics

How artistic or beautiful something is.



1

Use existing knowledge to build a structure.

2

Evaluate existing structures and materials.

3

Design a structure based on the design brief.

4

Assemble, join and combine materials to make a structure (bridge).

5

Assemble, join and combine materials to make a structure (bridge).

6

Evaluate the stability, strength, appearance and complexity of a structure.