

Topic

Structures:
Roman Pavilions



Holy Family Halewood

Year 3 and 4 Design & Technology



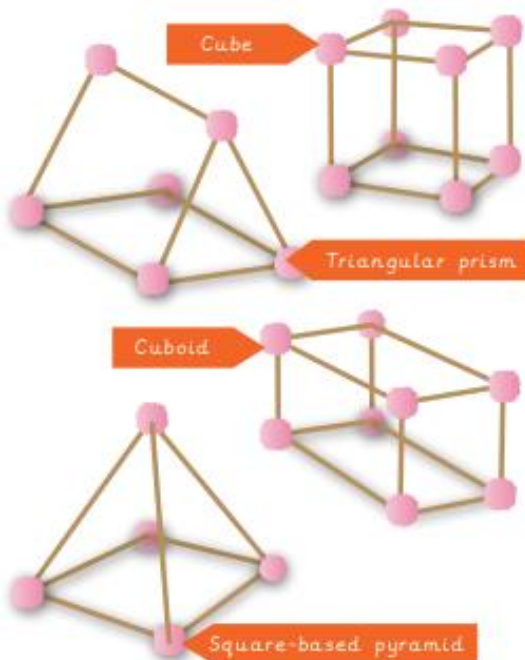
Learning Objectives

- To create a range of different shaped frame structures.
- To design a structure.
- To build a frame structure.
- To add cladding to a frame structure.

Key Facts



There are a variety of ways to ensemble a Frame Sculpture.



What materials and equipment could you use to make your structure?

Key Vocabulary

Aesthetic: How an object or product looks.

Cladding: A material put on top of another material or on a structure as protection or to improve appearance.

Design Criteria: A set of rules to help designers focus their ideas and test the success of them.

Evaluation: When you look at the good and bad points about something, then think about how you could improve them.

Frame structure: A way of building something so that the inside supports are built first and the outside covering is added afterwards as cladding.

Function: The purpose of an object (for example a chair needs to hold a person when sitting down): or how the product works (for example a torch needs to provide light in a dark space).

Inspiration: To gain ideas from different sources such as the internet, magazines and books.

Pavilion: A decorative building or structure for leisure activities.

Reinforce: To make a structure or material stronger, especially by adding another material or element to it.

Stable: Object does not easily topple over.

Structure: Something that has been made and put together and can usually stand on its own (e.g. a building, a bridge, a chair.)

Target audience: A person or particular group of people at whom a product is aimed.

Target customer: A person or particular group of people who you expect to buy the product.

Texture: The way that something feels when you touch it (e.g. soft, rough, smooth).

Theme: An idea or specific design that your product or structure is based on (e.g. space-themed.)

Weave



Concertina fold



Cut-outs



You can create all sorts of textures for your cladding designs using different materials and techniques.