

DT Structure: Pavilions Year 4

What I should already know

- Structures with wide, flat bases or legs are the most stable.
- A structure is something which has been formed or made from parts.
- The shape of a structure affects its strength.



Technical skills

- Designing a stable pavilion structure that is aesthetically pleasing and selecting materials to create a desired effect.
- Building frame structures designed to support weight.
- Creating a range of different shaped frame structures.
- Making a variety of free-standing frame structures of different shapes and sizes.
- Selecting appropriate materials to build a strong structure and for the cladding.
- Reinforcing corners to strengthen a structure.
- Creating a design in accordance with a plan.
- Learning to create different textural effects with materials.

Sticky Knowledge

A 'free-standing' structure is one that can stand on its own.

A pavilion is a decorative building or structure for leisure activities.

Cladding can be applied to structures for different effects.



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.
Frame structure	A way of building something so that the inside supports are building first and the outside covering is added afterwards as cladding.
Pavilion	A decorative building or structure for leisure activities.
Reinforce	The purpose of an object.
Function	The purpose of an object.
Target audience	A person or particular group of people who a product is aimed for.
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.