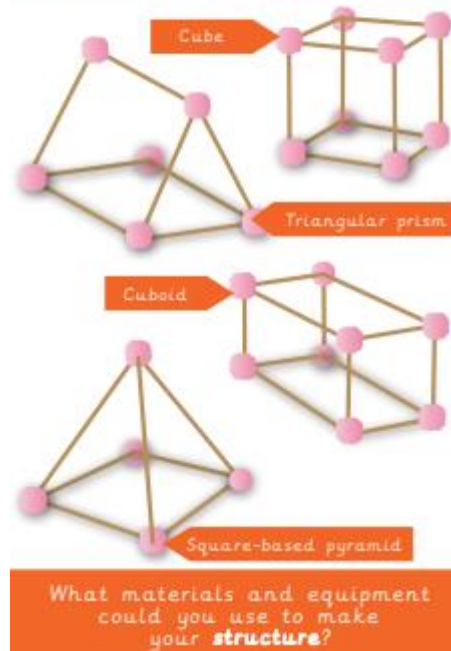


Key Vocabulary		Key skills		
aesthetic	How an object or product looks	Design	Make	Evaluate
cladding	A material put on top of another material on a structure as protection or to improve appearance	• Designing a pavilion with key features to appeal to a specific person/ purpose • Designing a pavilion structure 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	• Evaluating structures made by the class • Describing what characteristics of a design and construction made it the most effective • Considering effective and ineffective designs
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			
pavilion	A decorative building or structure for leisure activities			
stable	An object that doesn't easily fall over			

Progression of knowledge and skills in structures

What should I already know? (KS1)

- How to generate design ideas; developing modelling and explaining using talk, mock-ups and drawings.
- How to plan, make and select tools and new and recycled materials; using finishing techniques.
- To explore existing freestanding structures; and evaluate my own products against original criteria.
- Know about strengthening structures; knowledge of vocabulary.



What will I learn in this unit? (KS2)

- How to generate and develop realistic ideas and design criteria collaboratively and through analysis of existing products.
- Order the stages of making; selecting tools and using with some accuracy.
- Investigate and evaluate shell structures, and construct strong, stiff shell structures.
- Test and evaluate own products against design criteria and intended user and purpose.

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

