

## Summer term Knowledge Organiser- DT: Year 4 – Structures: Buildings (pavilions).

### Structure - Pavilions

|                 |                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 it.                                                                            |
| 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).                                                                                      |

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

Weave



Concertina fold



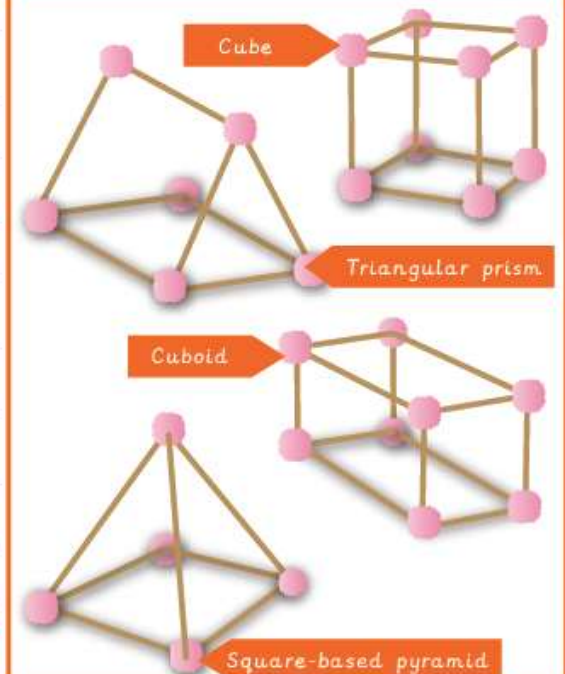
Cut-outs



### Key facts



There are variety of ways to assemble a **frame structure**.



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