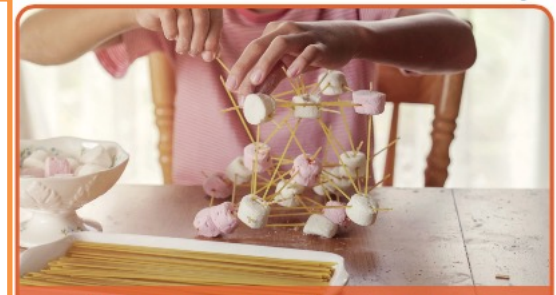


STRUCTURES: PAVILIONS



Our topic this term, is Structures. We will be researching what a Pavilion is, why they are important and then we can use this to design our own Pavilion. We will then take our designs and use different materials and techniques to bring them to life!



There are variety of ways to assemble a frame structure.

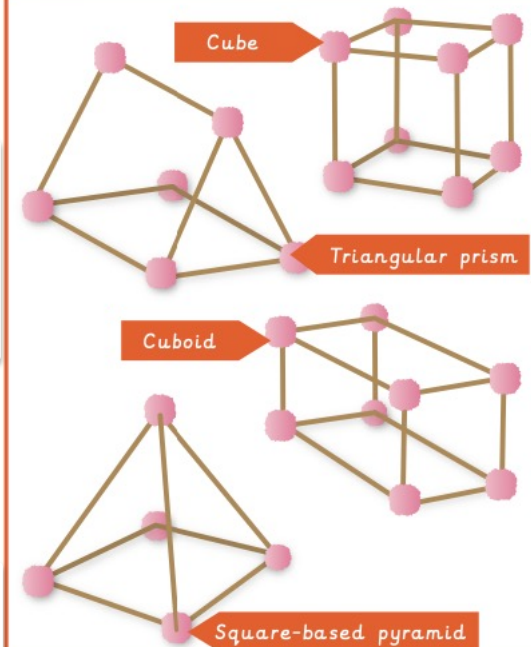
Aesthetic	How an object or product looks.
Cladding	A material put on top of another material or on a structure as protection or to improve appearance.
Design criteria	A set of rules to help designers focus their ideas and test the success of them.
Evaluation	When you look at the good and bad points about 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).



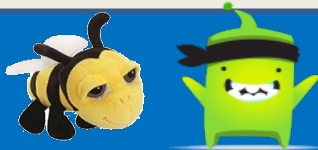
What design will you chose?



How will you make it strong?

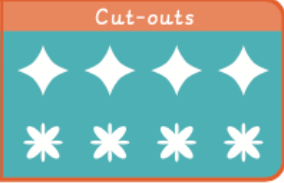
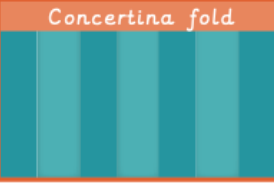
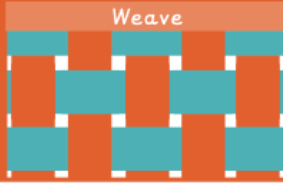


What materials and equipment could you use to make your structure?



NPA Knowledge Organiser: Year 4 DT - Autumn

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



We will be researching various Pavilions and choosing the features we want to put into our own designs. We will look at why these features are important and how we can adapt them. We will use different techniques such as weaving, sewing, gluing, cutting, sticking, folding and various other skills to build our designs.

The Design Process

Design Brief	Design Criteria	Generating Ideas	Prototype	Make the Product	Evaluation																				
<p>A planning document that explains what the project is, how it will be achieved and the time frame that it needs to be made in.</p>	<p>Tells you what a product must do to be successful.</p>	<p>Exploring different products and thinking about how they could be adapted. Creating an annotated sketch of your idea.</p>	<p>The first example of what the real thing will look like. It is used for testing, development and evaluation.</p>	<p>Using the annotated sketches and prototypes to help create your product.</p>	<p>Checking that the product meets the design criteria and has achieved its purpose.</p>																				
<p>Design Brief</p> <p>Setting the scene We are the recycling unit of Tainik! City Council. We want to help you get the most out of your recycling services by highlighting all of the items that can be recycled but sometimes get overlooked.</p> <p>Detailing the project To help promote recycling we would like you to design a moving poster to help encourage recycling and explain which items from the home can be recycled, what they can be recycled into and the benefits of recycling. The poster will be aimed at getting families involved in recycling. The project will be completed within 6 lessons.</p>	<table border="1"> <thead> <tr> <th>Priority</th> <th>Design Criteria</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Priority	Design Criteria												<table border="1"> <thead> <tr> <th>Design criteria</th> <th>Evaluation</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Design criteria	Evaluation								
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