

STRUCTURES

TRAM BRIDGE

Vocabulary

Structure: An object made from several parts. **Aesthetics:** The appearance of an object. **Stability:** How firmly fixed a structure is. **Frame:** A structure that forms the base of an object. **Reinforce:** To strengthen or support an object. **Design:** A plan or drawing to show how an object will look before it is built. **Function:** The activity that is the natural purpose of an object. **Purpose:** The reason why something is built or exists.

Joining Techniques



PVA glue is a versatile, flexible glue that doesn't go yellow.



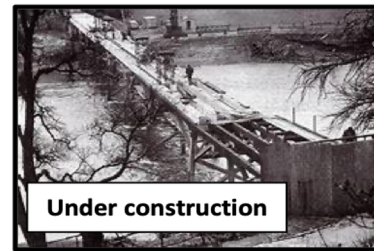
Hot glue gun is a good way to join materials and is much longer lasting than PVA.



Card corners can be used to strengthen a structure. Triangles are often used in construction as they help with stability.

Joining Materials

The Tram Bridge

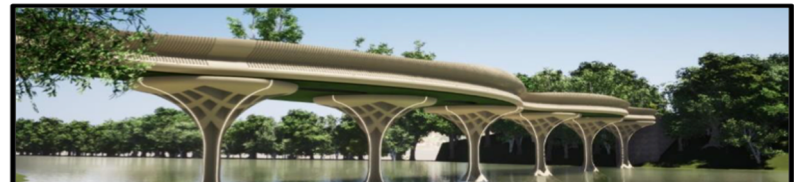


Under construction



Now

Design Ideas



Marshmallow Structures



Marshmallow Structures

Your Design

You will need to think about the properties of stable structures. How you can reinforce corners and the materials you will use. Think about how your design will appeal to your audience.