



DT - Structures (Furniture)

Furniture is a 3D model that is also known as a **structure**. Examples of furniture include chairs, tables and beds. Our furniture is going to be constructed from **recycled materials** such as toilet rolls and cardboard boxes.

Key Vocabulary	
construct	to put materials together to make a product
structure	A structure is a combination of materials that create a 3D shape for a specific purpose.
evaluate	think about what works and what doesn't work to decide on the best option
design	what a product will look like before it is made
test	a process used to check which option works best
design criteria	the goals that a project needs to achieve to be successful
materials	what structures or objects are made from
stable	not likely to give way or fall down
recycled materials	These are the materials that have been through the recycling process. They have been collected, processed, sorted and made into new products.



Joining Materials

To make sure the structure is successful, the materials need to be **connected** and **strong**. We can use different joins to do this.

flange	slot	tabs	folds

Triangles Are Strong

If you put force on the point, it keeps its shape.

Structures that include triangles are more **stable**.

If you put force on the side, it bends.

Everyday Examples