



What should I already know?

- Be able to generate a design from existing products.
- Be able to select appropriate materials to create design.
- To use a wide range of materials including wood to create nest boxes.

What will I know by the end of this unit?

- I will know how to evaluate a design
- I will know how to develop my own design from drawings
- I will be able to select materials to build my design
- I will be able to use a range of techniques to make my design
- I will be able to understand the structure of a design to hold something.

Vocabulary:

Design	a plan or drawing produced to show the look and function or workings of a building
Purpose	the reason for which something is done
product	an article or substance that is manufactured
Textile	a type of cloth or woven fabric
Cutting	the action of cutting something.
Joining	become linked or connected to.
finishing	complete the manufacture or
Beams	a long, sturdy piece of squared timber
pillars	a tall vertical structure of stone, wood, or metal, used as a support for a
trusses	a framework, typically consisting of rafters, posts, and struts, supporting a
arch	a curved symmetrical structure spanning an opening
tension	the state of being stretched tight.

Diagrams



Cultural Capital - (including focused text / WOW moment / visitors / trips / fieldwork)

Creating our own suspension bridge

DT skills/techniques

- Sawing
- Joining
- Planning
- Designing
- Evaluating
- Building
- Glue and Striking

Skills

- Evaluate designs already available
- Generate and develop own design through drawings and creating templates/patterns.
- Select textiles which can be used to make design.
- Use a range of joining techniques to make design.
- Evaluate.
- Be able to generate a design from existing products.