

What I should already know

How to measure, mark out, cut, join, shape, and finish products.

Have a basic understanding of what structures are and how they can be made stronger, stiffer and

In Design and Technology, we are going to design and make a hotel for bees.



What I will learn

I will know the purpose of a bee hotel.

I will know how to design a stable structure that can support weight.

I will know how to adapt and improve my own structure by identifying points of weakness and reinforce, as necessary.

I will know how to evaluate the work of

Top Five Funky Facts

1. A frame structure consists of different parts. These parts are combined in such a way to make the structure strong.
2. Frame structures have joins which keep them together.
3. Frame structures utilise the combination of a beam, column, or slab.
4. A bee hotel serves a purpose to provide shelter, food or water for solitary bees in towns and cities.
5. 75% of the world's food crops and 35% of global agricultural

An example bee hotel.



Designed by Ikea

Example Frame structure



*Can you identify this
frame structure?*

Vocabulary

Structure	Frame	Stable	Strut	Compression	Purpose
A building or other object constructed from several parts.	A rigid supporting structure of an object such as a vehicle, building, or piece of furniture.	Not likely to give way or overturn; firmly fixed.	A rod or bar forming part of a framework and designed to resist compression.	The act of pressing something into a smaller space.	The reason for which something is done or created.