

YEAR 9 REVISION

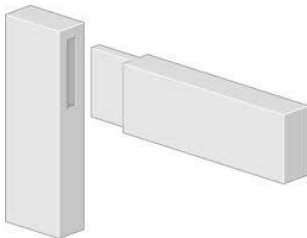
Two reasons why we need to reduce the amount of waste when using sheet material:

1. Cost effective
2. Less to recycle and good for the environment

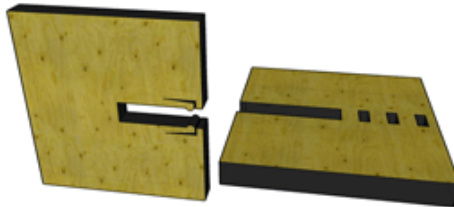
Pro/Cons to using CAD/CAM

Pros	Cons
Reduces the amount of waste on materials	Expensive to set up
You only need to draw once and you can nest multiple onto one sheet of material	Can break down and then having to wait for engineer to fix
Quicker to cut out than make by hand	Takes time to train people up on programmes.

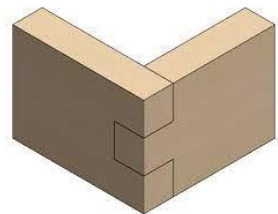
Revise following joints:



Mortice and Tenon



Slot



Comb

Environmental issues: It is important to understand in DT why we try to reduce the amount of wastage of materials.

1. The first issue is down to costing. Material comes in sheets or planks so you need to make sure you use as much of this as possible as you pay for the whole sheet.
2. When you have wastage it goes to landfill if the material is not recyclable and this can harm the environment.

You need to also understand how to ensure you reduce the amount of wastage. In order to do this calculating, the size of your product is essential. See below: Calculate how many 120mm x 120mm square will fit into the rectangle.

