

## The design process

### Key words

**Design Brief** - A short statement of intent.

**Client**- This is the person that you are designing for.

**Target audience**- The group of people that you are designing for.

**Specification** - A list of things that need to be included in your designs.

**Initial ideas**- These are the drawings of your design ideas

## Year 8 Design & Technology Term 1

### Natural wood - From trees!

**Soft wood**- These are **CONIFEROUS** they usually have needles instead of leaves and produce cones.

**Pine**



These woods are usually cheaper, and used for simple furniture as well as timber for building.

**Hard wood**- These are **DECIDUOUS** they usually have broad, flat leaves that change colour in the autumn.

**Oak**



These woods are usually more expensive and used for decorative furniture.

## Woods

## Manufactured boards

These are boards that are made from fibres /sheets of wood bonded together with adhesives (glue).

### Medium-density fibre board (MDF)

This is made from wood fibres that are compressed (squashed) together with resin (glue) in to a sheet.



### Plywood

This is made from layers of wood (veneers) that are glued together at 90 degree angles.



These types of wood are usually used to make flat-pack furniture (This is furniture that comes boxed and you put together yourself) as it is cheap and easy to work with.



Can you **EXPLAIN** at least 3 key words that are related to the **DESIGN PROCESS**.

## Environmental considerations

**Deforestation** - This is the clearing of rainforests and wooded areas when trees are cut down. This can result in:

- The loss of homes for animals
- Global warming as trees remove  $CO_2$  from the atmosphere.
- The burning of wood and emissions from vehicles that transport the timber also cause  $CO_2$  emissions.

**Designers can help reduce the environmental impact by:**

Using Forest Stewardship Council (FSC) certified materials which are sourced from sustainably managed forests.

Use soft woods which take less time to regrow than hardwoods.



What is the difference between natural wood and manmade board? Can you give examples of each?



What environmental considerations do designers have to think about?