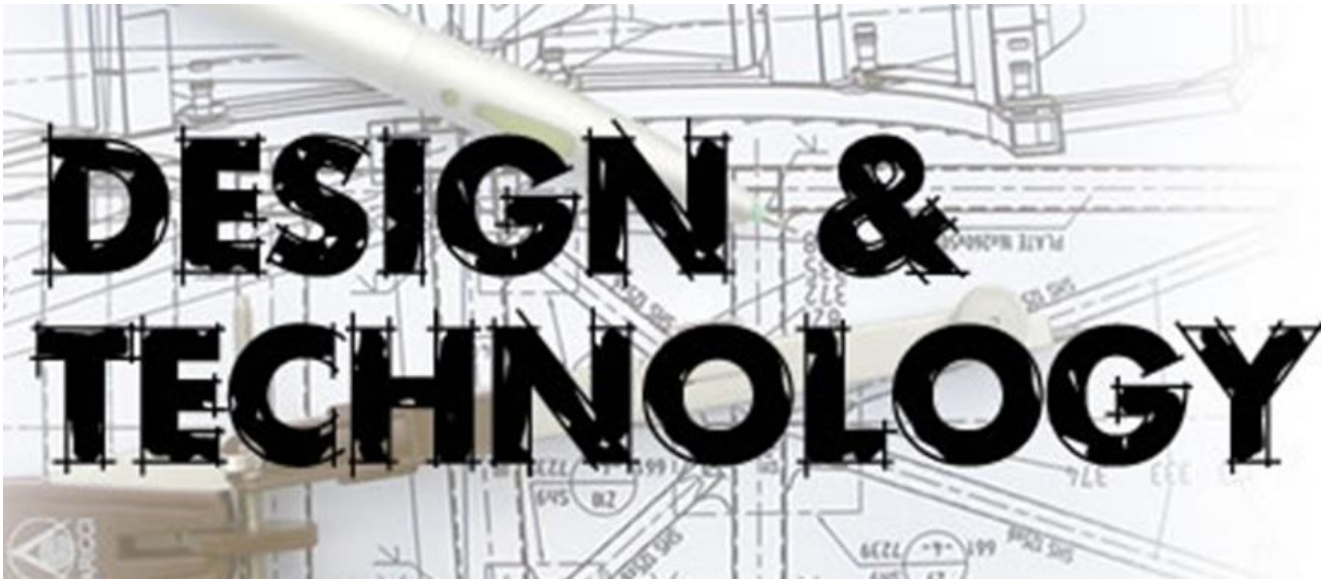




Planning your Technology project

Use the following guide to help you organise and present your project.

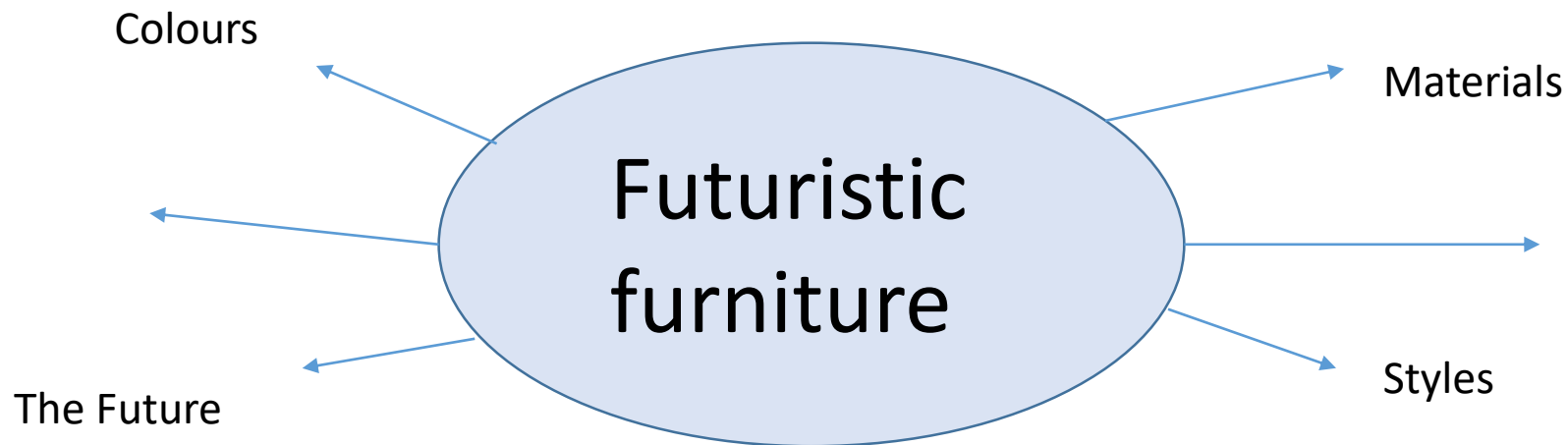
Success Criteria

- Make sure that each page has a clear title.
- Make sure you number each page to help keep your project organised.
- You can complete your project electronically on a computer or on paper.
- Try to make sure that you use all of the available space on your page (Take care with your presentation).
- Make sure that you are explaining all information in full sentences (Take care with your SPAG).
- All work must be to the best of your ability.
- Have fun with the designing & modelling!

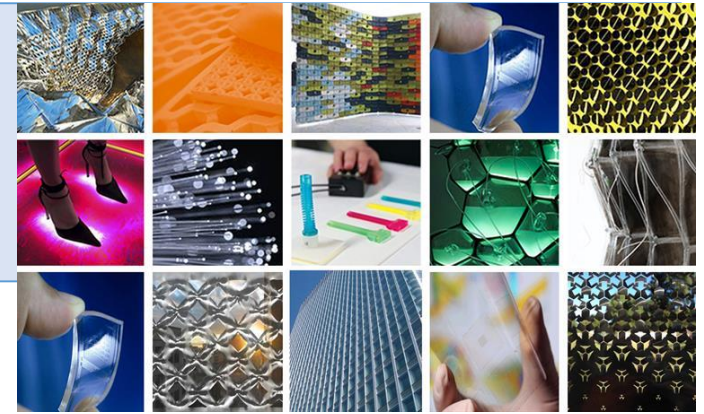
Research – Mind map

Research is an important part of any design project. Make sure you are researching information that will help you do design.

To help you create useful research start by creating a mind map. Use the examples below to get you started.



Research - Materials

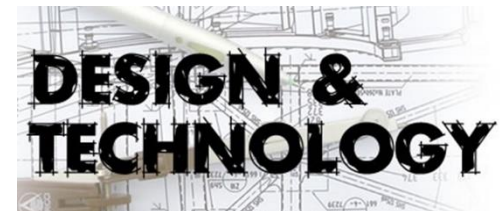


To help you create useful research continue by researching materials that you think might be useful for a futuristic chair.

Try to research 4x Hardwoods, 4x Softwoods, 4x Plastics & 4 Metals.

(You might want to research properties such as cost, weight, how to shape it?)

Make sure you evaluate what materials that you think will be the most suitable for a futurist chair.



Research – Size (Year 7 & 8)

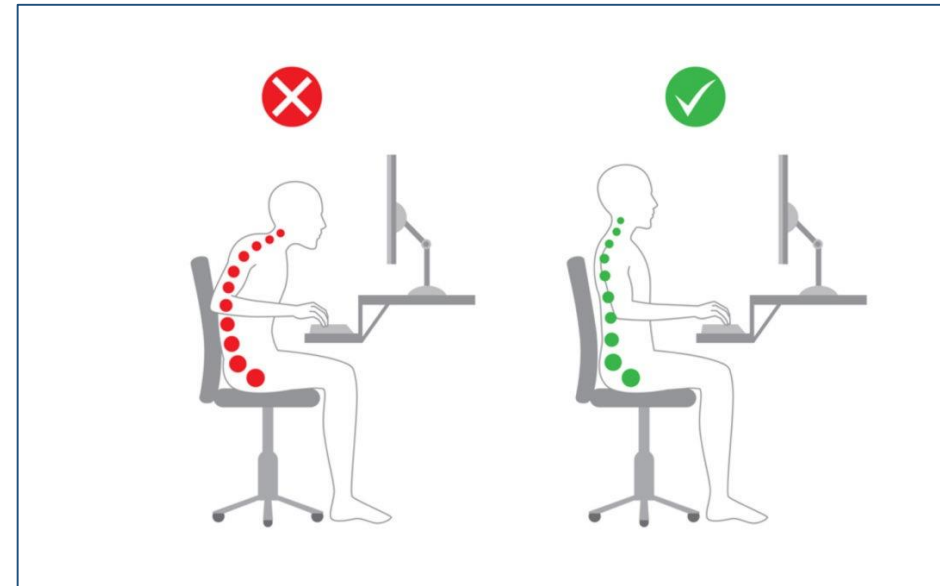
To help you create useful research continue by researching ergonomics and anthropometrics.

What is **ergonomics**?

Why is it important for designers to consider ergonomics before designing?

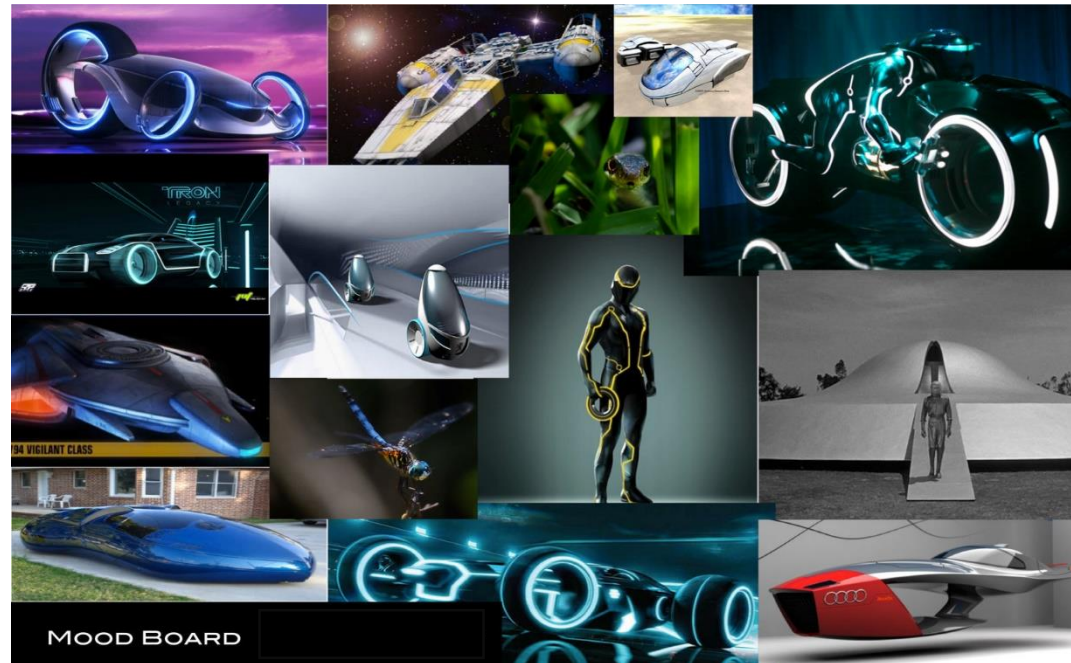
What is **anthropometrics**?

Why is it important for designers to consider ergonomics before designing?



To help you create useful research continue by searching suitable images that will help you to design a piece of futuristic furniture.

When collecting the images that you like add them to one page like the example below. You will need to add 30 images to complete your mood board.



Product Analysis-

Explain using full sentences

What materials have been used and why?

What is the purpose of the product?
Is this an effective product?

Who would use the product? I think this products target market is...

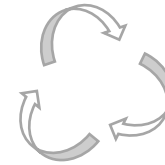
Keywords: Visuals, cost, consumer, target market, environment, size, safety, ergonomics, attractive, comfortable, plastics, sustainable.

Where could this product be sold?

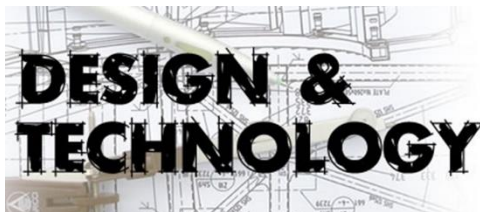
Try to describe the product- use adjectives- think about colour, texture weight etc.

Drawing of product

What is the environmental impact of the product?



Is the product safe? What are the implications for the user?



Do you think this is a good design? List as many Good points and bad points as you can..

Design Ideas

Date

AIM TODAY—To use research from previous lesson to devise some initial design ideas.

Keywords: Aesthetics,
Cost, Consumers,
Environment, Size,
Safety, Function,
Materials,

Success Criteria

Your page must have the following;

- A minimum of 4 designs
- Use all of the **keywords** to explain your design
- An accurately drawn final design (measurements).
- Add Colour

Design Ideas

Excellent ✓✓	Good ✓	Satisfactory ~	Room for improvement ✖	Unsatisfactory ✖✖
-----------------	-----------	-------------------	---------------------------	----------------------

Reflection:

I think design ide a __ is the best idea for my target market because

My partner thinks design ide a __ is

Specification

A specification is a list of requirements that your product must have.

*(i.e. My design **MUST** be futuristic so that it meets the brief from the client)*

Try to write a specification thinking about what your design **MUST**, **SHOULD** or **COULD** be.

2x **MUST**

2 x **SHOULD**

2 x **COULD**

Keywords:

Aesthetics, Cost,
Consumers,
Environment,
Size, Safety,
Function,
Materials,

TIP: Have a look
online at
examples of
specifications on
furniture
websites.



Step by Step guide

Date _____

AIM TODAY — To be able to explain each stage of my manufacturing process for my Clock.

Key Words and spellings– Coping saw, Vice, Flat File, Needle File, Masking Tape, Plywood, Scroll Saw, pillar drill, Disc Sander, Emery Paper, Wet & Dry, Polishing Wheel, Hand Drill, Countersink.

Keywords: Aesthetics,
Cost, Consumers,
Environment, Size,
Safety, Function,
Materials,

Success Criteria

Your page must have the following:

- Use all of the **keywords**
- 4 well drawn diagrams with **colour (use a ruler) and label**
- Take care with your **spelling.**

Success Criteria

Your page must have the following:

- Use all of the **keywords**
- 4 well drawn diagrams with **colour (use a ruler) and label**
- Take care with your **spelling.**

- ## Success Criteria
- ### Your page must have the following:
- Use all of the **keywords**
 - 4 well drawn diagrams with **colour (use a ruler) and label**
 - Take care with your **spelling.**

Have you used all of the Keywords to explain all of your making?
Have you drawn your diagrams accurately?
Have you labelled your diagrams and added colour?

Have you used all of the Keywords to explain all of your making?	
Have you drawn your diagrams accurately?	
Have you labelled your diagrams and added colour?	

Fill in the date and highlight the LO



Keywords: Aesthetics, Cost, Consumers, Environment, Size, Safety, Function, Materials,

Self assessment



15

Prototype

Date _____

AIM TODAY—To think carefully about how your design will work by making a full size card prototype that must fit in the space below.

Equipment I will need

Metal ruler
Scissors
Pencil
Card
Sugar paper
Glue
Apron

Self Assessment of prototype
DATE _____

WWW (What went well):

EBI (Even better if):

Excellent ✓✓	Good ✓	Satisfactory ~	Room for improvement ✗	Unsatisfactory ✗✗
-----------------	-----------	-------------------	---------------------------	----------------------



