No part of the candidate's evidence in this exemplar material may be presented in an external assessment for the purpose of gaining an NZQA qualification or award.



Level 3 Design and Visual Communication 2024

91627 Initiate design ideas through exploration

Achievement

TOTAL 03



What I'm designing: is an office chair that looks more into the comfort of the ack of sitting down, many people find comfort in difrent positions when trying to do work. me personaly will end up more comfortible on the floor that in my chair at my desk, designing a chair that fitts every persons prefrences with comfort is my goal as well as looking into the different injuries and conditions that the human body can go through.

this will be an office/work chair that covers the general comfort of a chair you will be sitting in for long periods of time. Alongside comfort this chair will look into the day to day issues that the elderly have with movement and ability, as well as people with injuries and conditions like (back problems or arthritis).

opertunitys and constraints

With the design of an office chair we have the opertunity to look into how the human body sits and or feels comfortible. this can be difrent for everyone meaning we have the opertunity to suply people who dont love the nutral sitting opsition of a chair with alternitives to therer liking.

The constraints to a broject like this will fall under costs. costs of selling and costs of manufacturing, to cut these down and keep to a buyer friendly bdget, and stick to spesifications and design points will be dificult.



specifications

style:

will be interchangible to suit buyers perferances.

ages:

will be safe for young kids and easy to use of the elderly.

disabilitys:

tends to the comfort of life long injury.

suport:

ajustible to the spesifications of the buyer.

sustainible:

eco frendly and ergonomic to manifacture.

financial:

add ons and customisations for this chair will optional so that you can fit it to your budget.

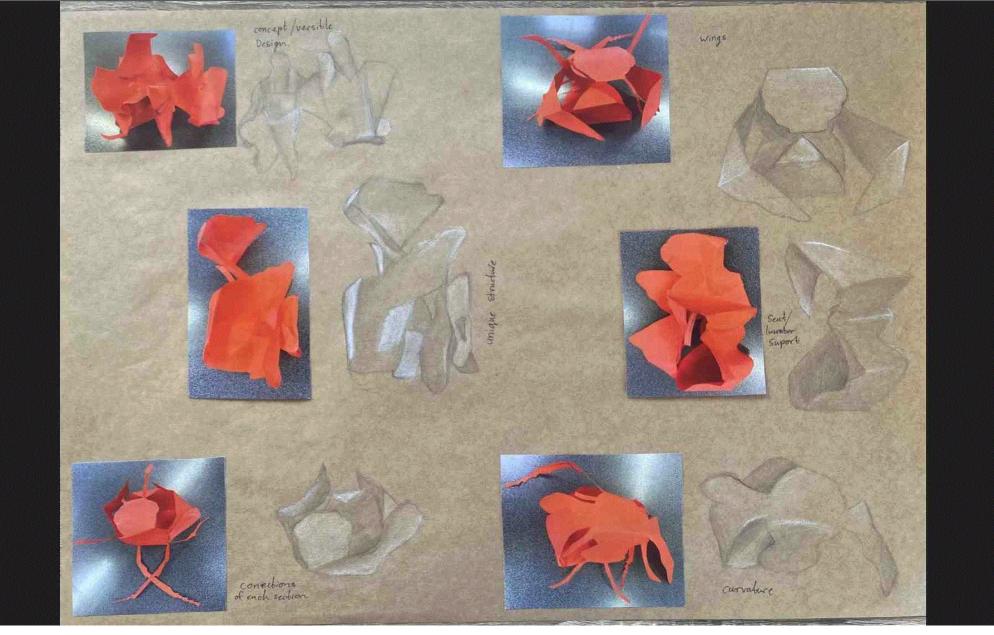
Functionality:

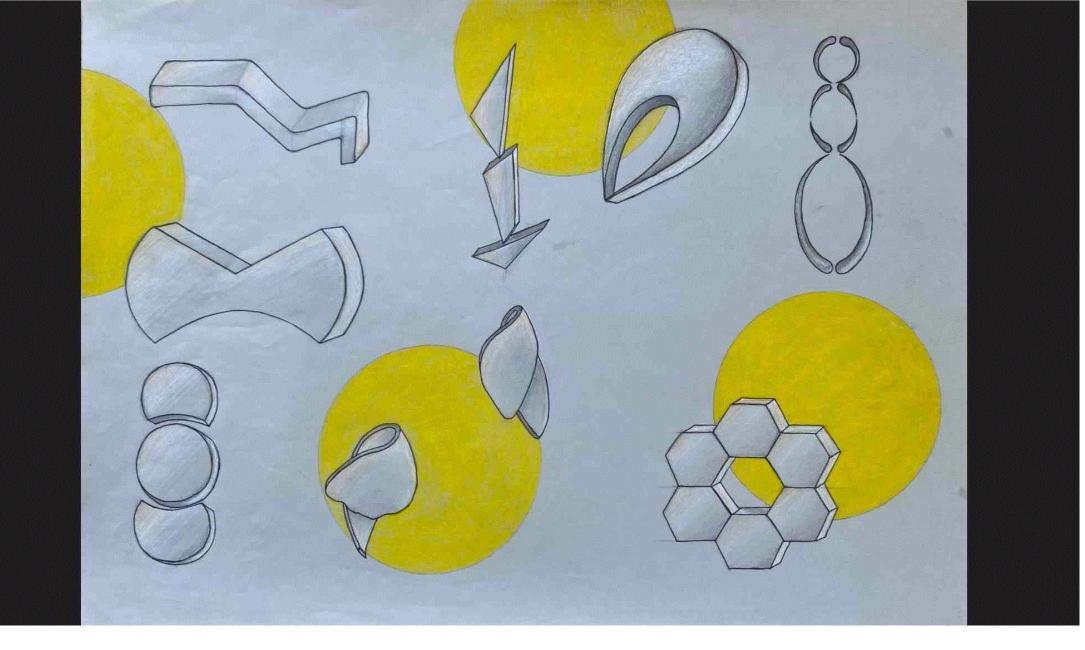
with the addition of extra accessories to this office chair it will become the talk of the house with the ability to suit all different people and the way you would prefer to sit and do your work comfortably.

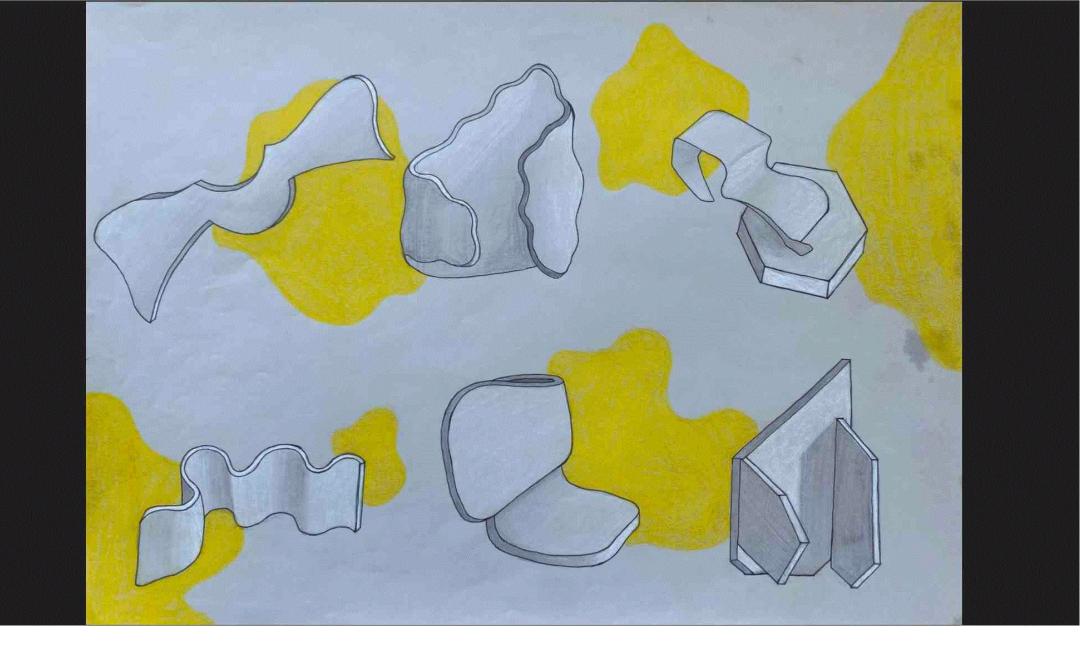
comfort:

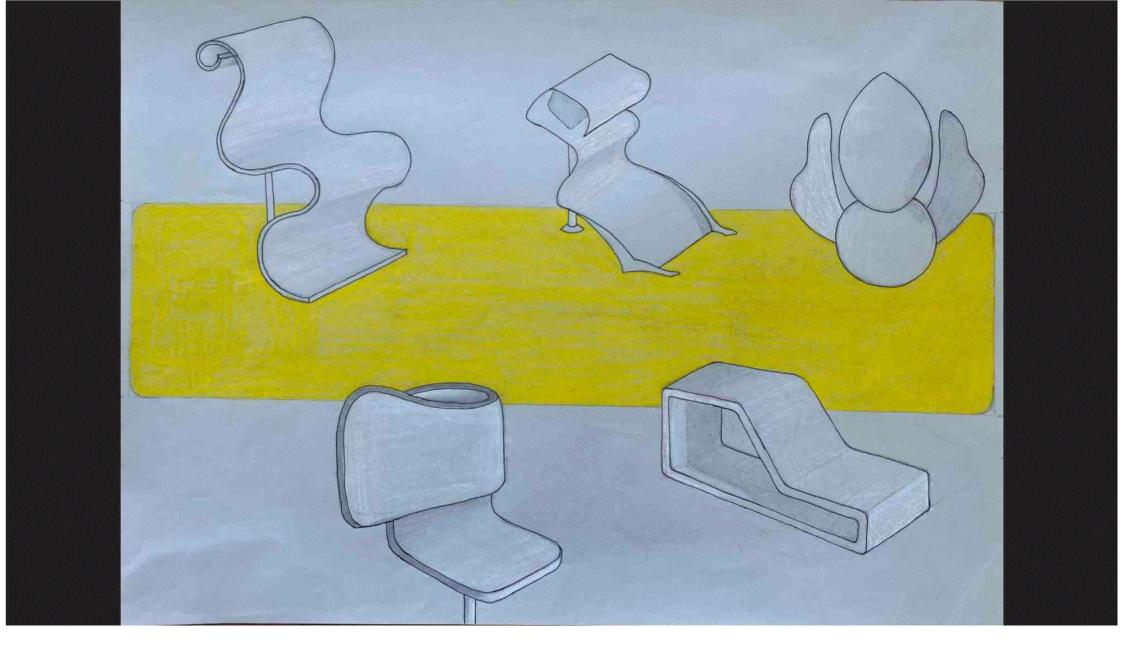
this office chair will come with adjustability to suit all consumers, components that will mould to your body and the way you sit, as well as moving with you as you adjust/ move around while seated giving all round comfort and stability.











CONCEPTS



Top is to wide



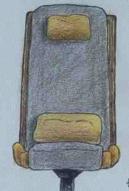
Atherst movement (Top Hash/under betom)



Better to create an organomic aspecto to the human body



difficult to shape/uffer ergenomicaly



to streight, no shape for

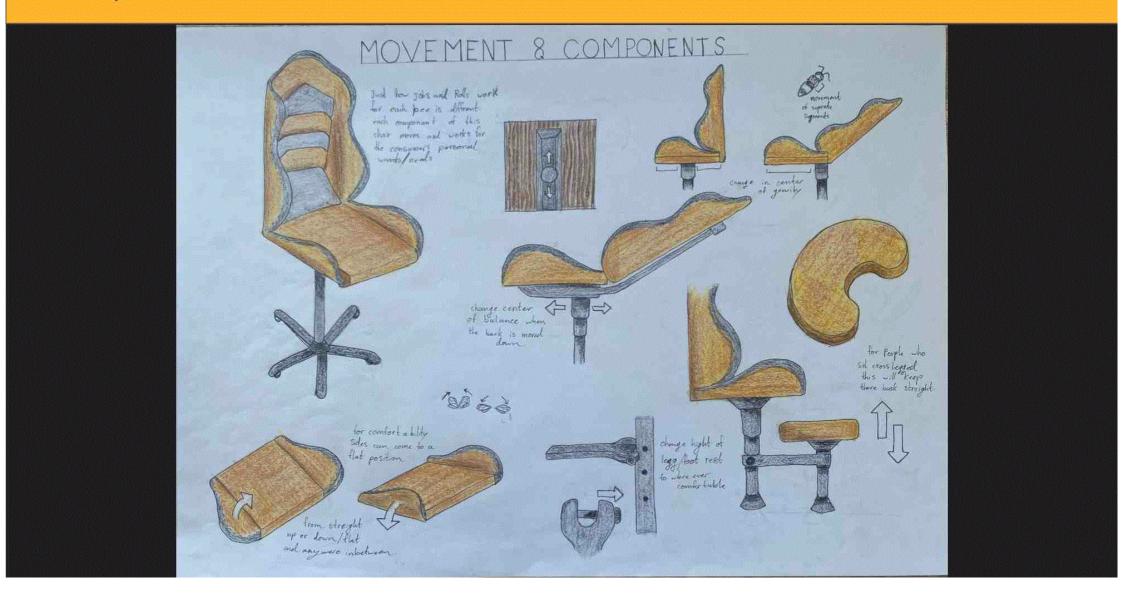


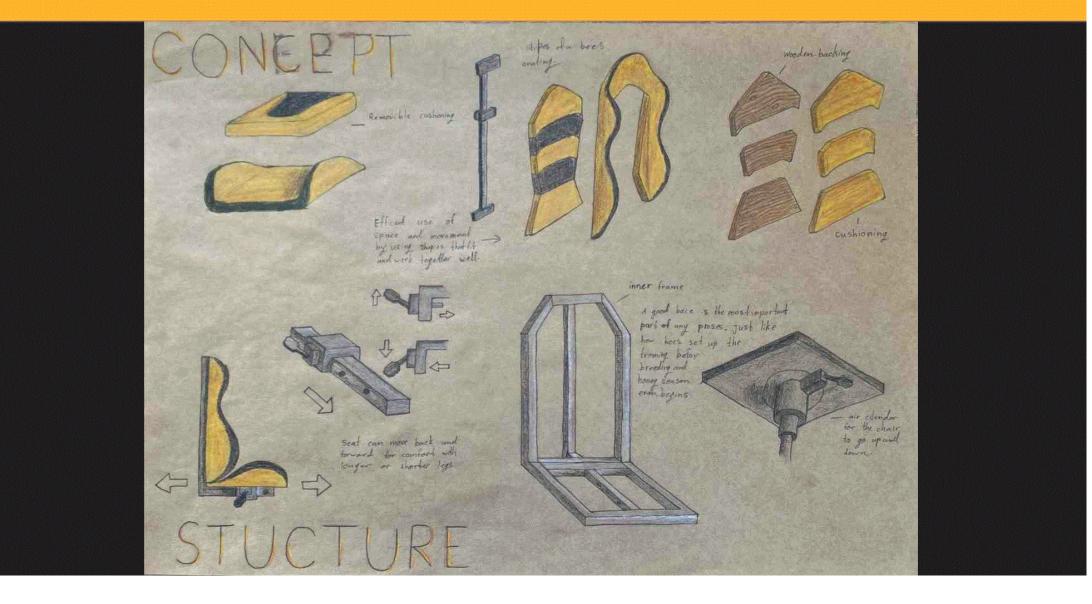
Concept

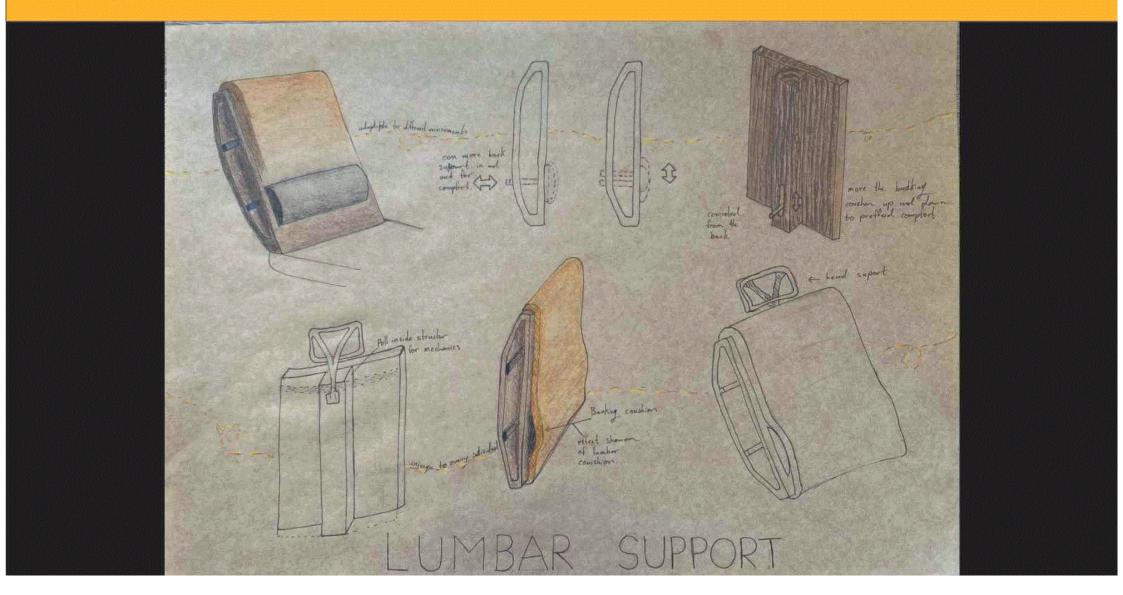
- To draw from inspiration off of the shapes of the
- Starting shapes for chairs and designing the add ons for the chair and how they will fit into the design.

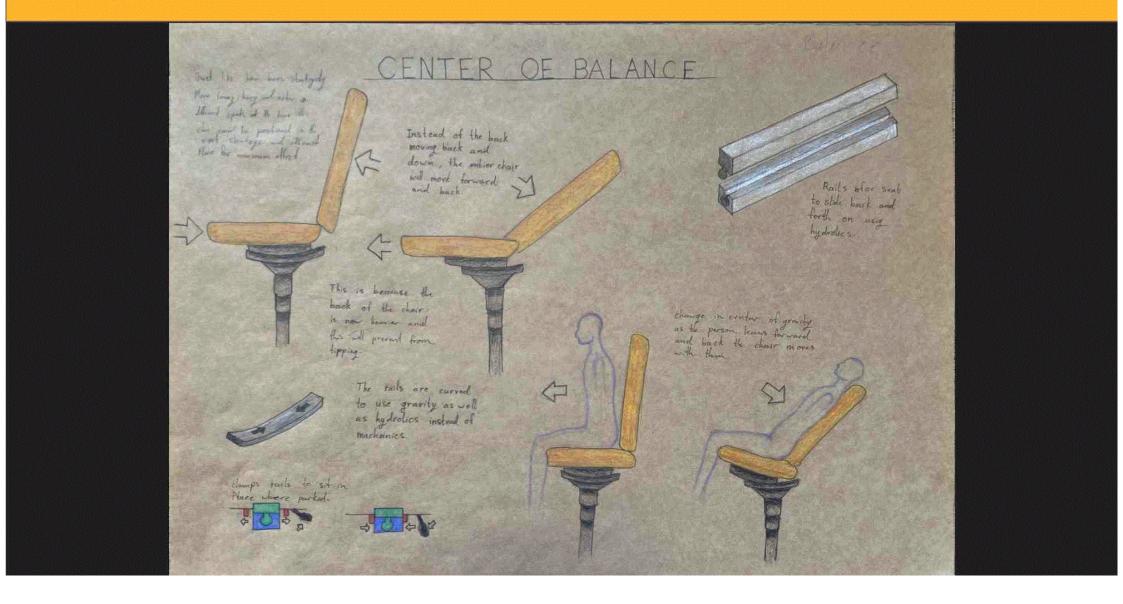


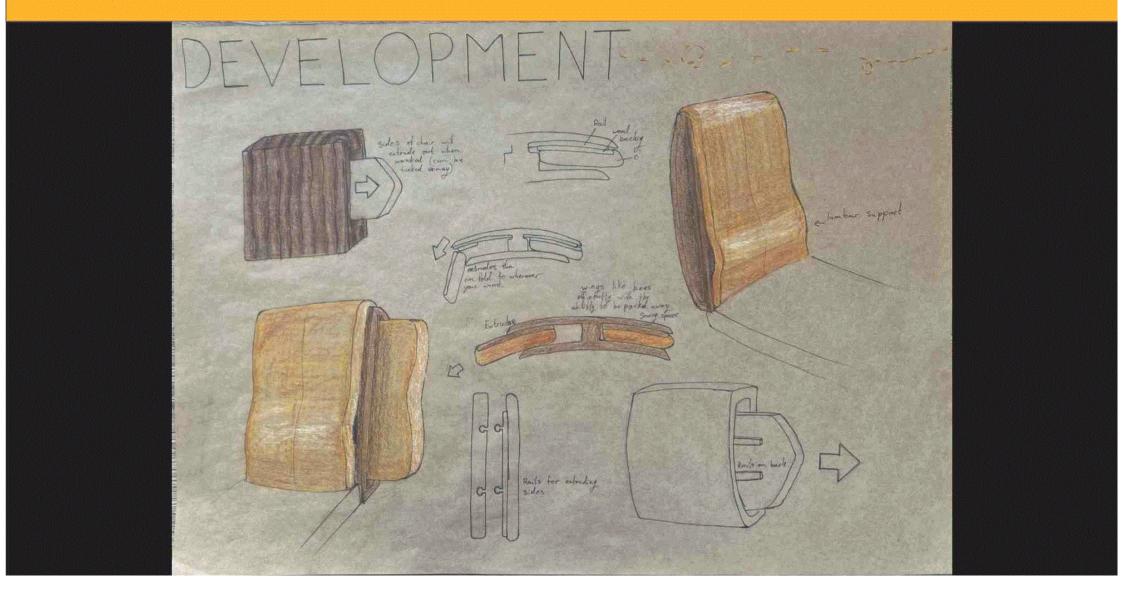




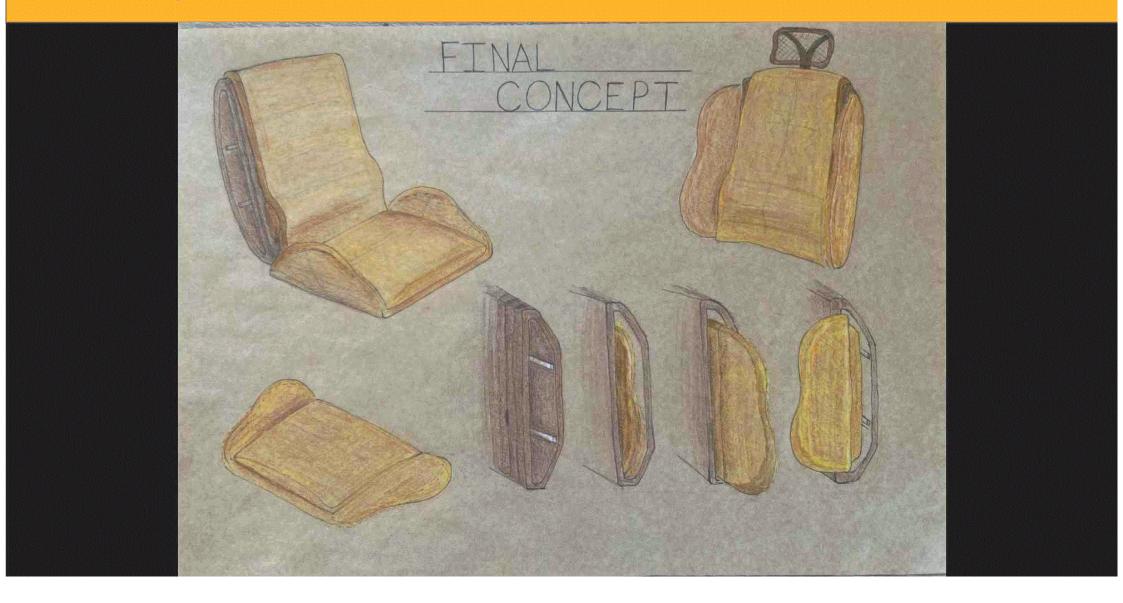








Final concept



Ergonomics

- Building this chair to the shape and movement of the human body
- Add ons to the chair will enable people who like to sit different the ability to sit how they like.
- To meet ergonomic standards there will be many aspects to comfort and support.

Lumbar support

The support your body needs when sitting down for long periods of time is crucial to your long term health and wellbeing.

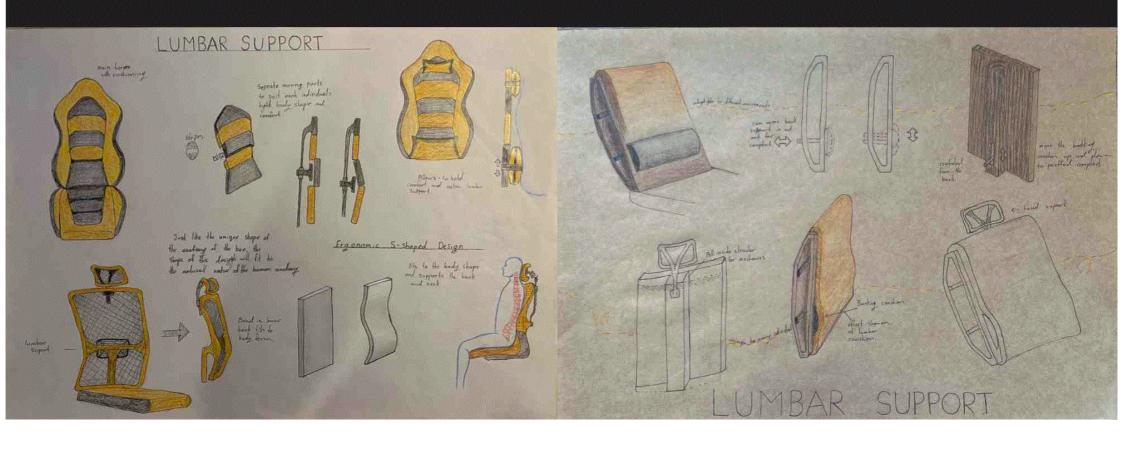
The research into lumbar support and the overall structure your needs has been integrated into this chair, as well as features to suit your needs personally.each body being unique this chair can alter to each feature you need, still keeping your health in line.

Center of balance

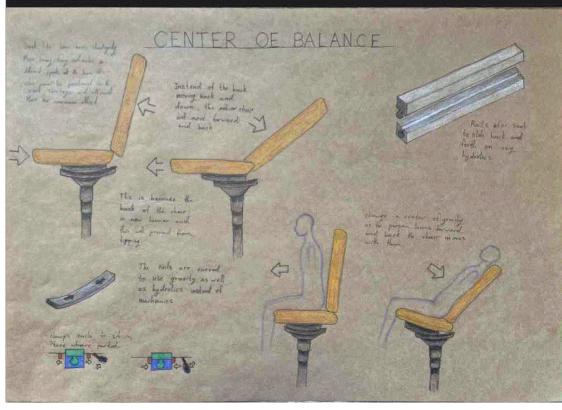
With development of the chair the back of the chair is much heavier than before.

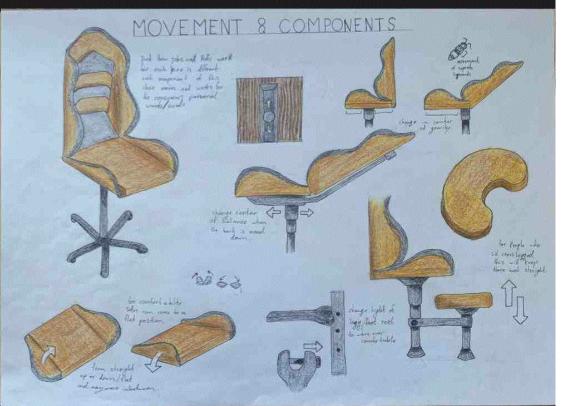
The center of balance is something to be altered as the back is laid down. There are examples of this in the following pages.

Concept #2 (development)



Concept #2 (development)





Structure

- These pages will show the basic structure of this chair and the additional development of such.
- Frame work, movement, adjustable components.

Main Structure

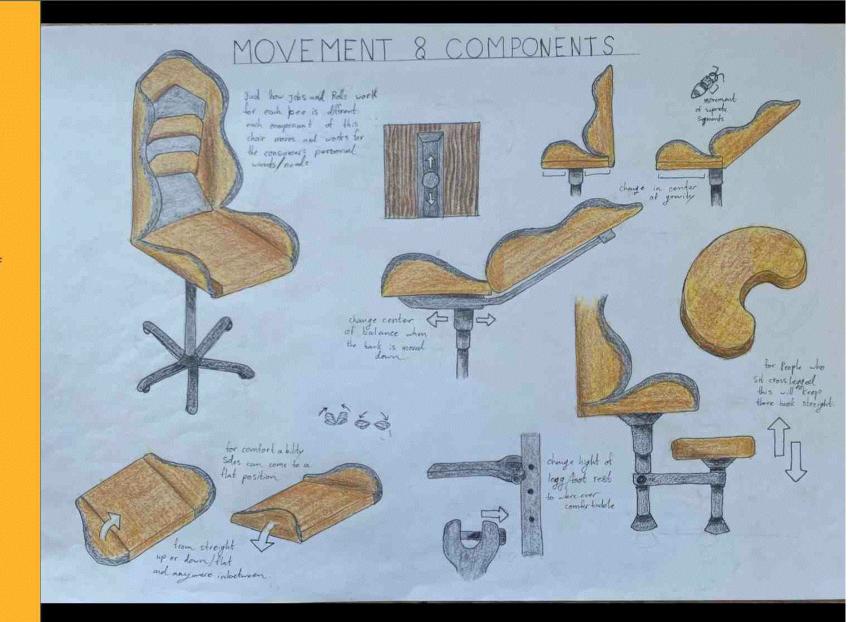
Base structure of any construction is the make or break of its ability to do what is intended. The structure of this chair is an important factor of the aethstetic (how it looks in your home), and how you feel sitting in it. This structure and setup creates a feel good, adjustable and comfortable experience for anyone. This construction has given me the ability to have additional parts oe moving components that make day to day work just that little bit better. The development into the structure of this design plays into the comfort of the elderly or injured as well as extra comfort into everyday workers.

Concept #2 (development)



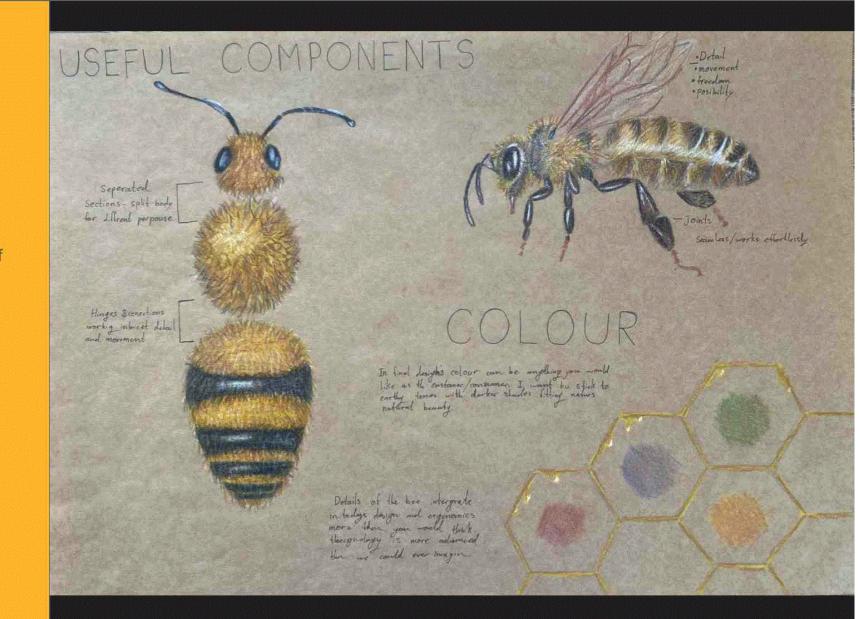
Additional components

- Alongside thoughtful design and a realistic office chair there will be add ons that can be purchased separately.
- These will be extra foot/ leg rests, different styles of optional headrests and seat cushioning all to suit the preference of the customer.



Colors

- Creating color customisable to the customers preferences
- Color will be the final design aspect a customers process of purchase, giving them the ability to make there purchase match the aesthetics of there home.



Sustainability

- Making sure materials and structure are reliable and looking into how they will hold up over time to make sure the product will last the customer the expense.
- Looking at future generations and the product growing and keeping in time with the customer as they grow.

Minimal waist

- Looking into the recycling and production of product making sure the emission into the environment has minimal effect.
- Construction creates a chair that will last a lifetime and when it needs to be thrown then some parts can be reused.

Environmental impact

- Along with minimal waste the research that will go into this design will ensure the environmental impact will be at its lowest.
- This design will look at the office chair not as a short term profit but as a long term solution.

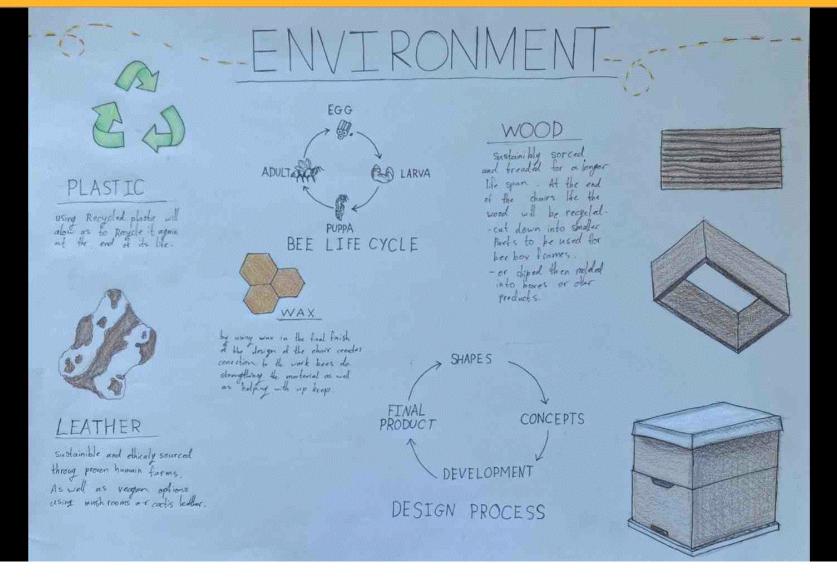
Upkeep and cleaning

- Designing the chair so that keeping it clean is easy so leather or detachable parts to clean on their own.
- To have replaceable components of the chair means the base structure will out live the buyer and when components wear out replacements will be easy to add.

Minimal waste, cleaning and upkeep



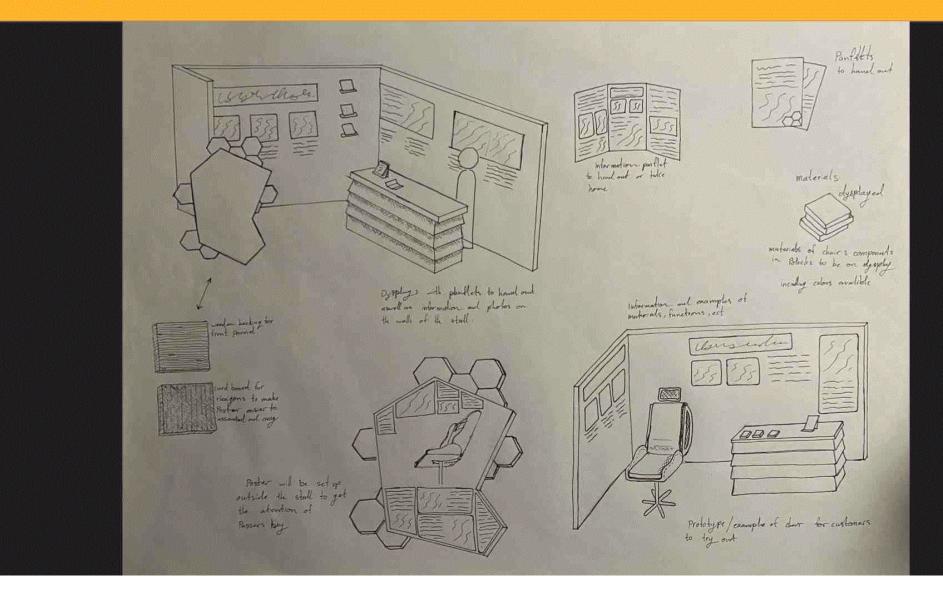
Environmental impact



presentation



presentation



Final presentation





Achievement

Subject: Design and Visual Communication

Standard: 91627

Total score: 03

Grade score	Marker commentary
А3	This submission is assessed at Achievement. It includes a good interrogation and regeneration of starting point, that has led to clearly derived design ideas. However, there is minimal progression of this theme beyond the initial ideas, so does not demonstrate purposeful reinterpretation or an "emerging train of thought" to be awarded a higher grade.