

PORTFOLIO

BO NEVILLE

2023

HELLO,


I'm a designer with a focused social and human-centred approach.

I love storytelling through design and use empathy and sensitivity as tools to champion the qualities of the user within my work.

With a multidisciplinary approach, I solve problems and design products that can be used as a medium to improve the way we connect with each other.

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STUDIO | 15.03.23

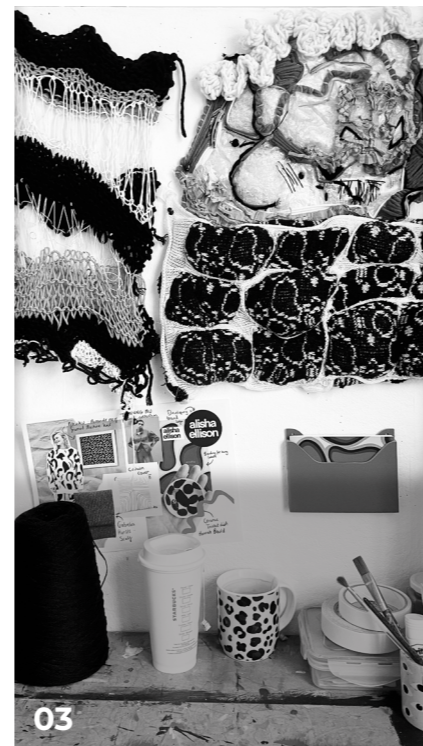
PROJECTS



DISCOVER
Sustainable packaging



FLOOR FEEDER
Flat-pack bird feeder



READ ME
Human-centred design



MERAKI
Tea-sharing experience



NOURISH
Medical Design

EXPERIENCE

DESIGN INTERN
Matter NPD

STUDIO ASSISTANT
Capture Property Marketing

01

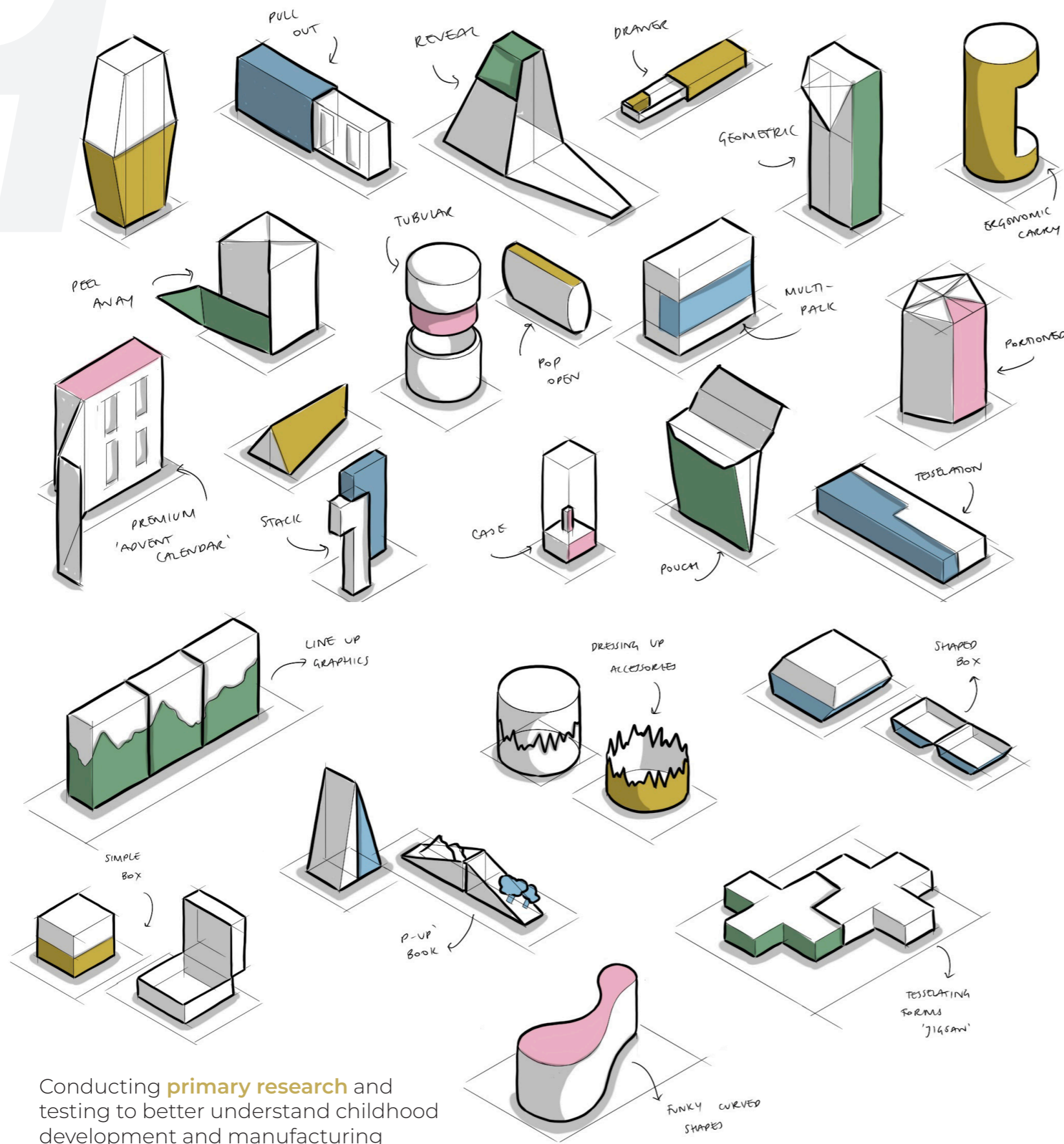
DISCOVER

Student Starpack Competition
2023

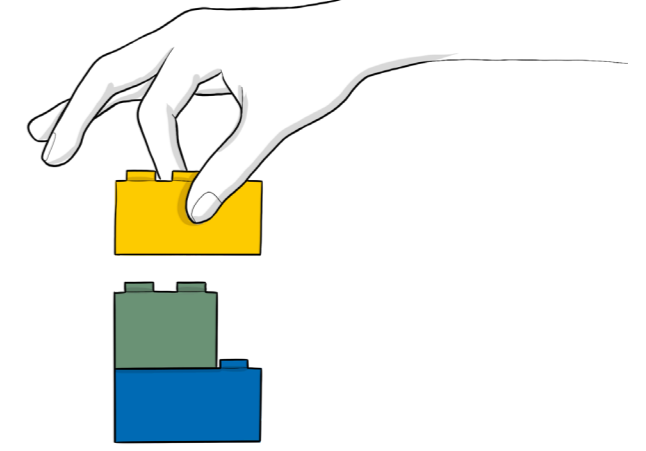
Redesigning the single-use plastic
LEGO Minifigures packaging in
100% **corrugated cardboard**.
Creating packaging that extends
play and contributes to childhood
cognitive development.



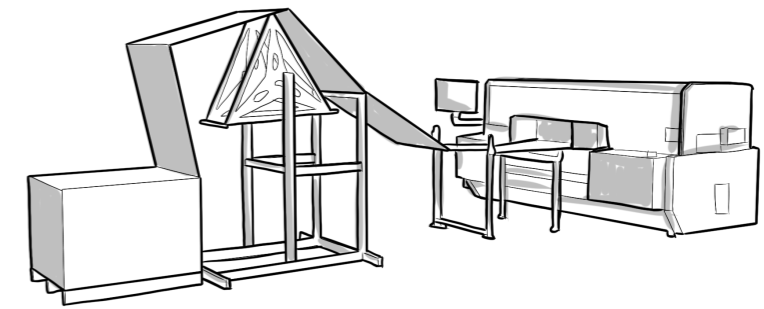
01



Conducting **primary research** and testing to better understand childhood development and manufacturing techniques. **Concept generation.**



Boost childhood cognitive development through **imaginative play.**



Litho-lamination is best suited to E-Flute corrugated cardboard.



7 year olds enjoyed the imaginative play, 4 year olds enjoyed **colouring-in.**



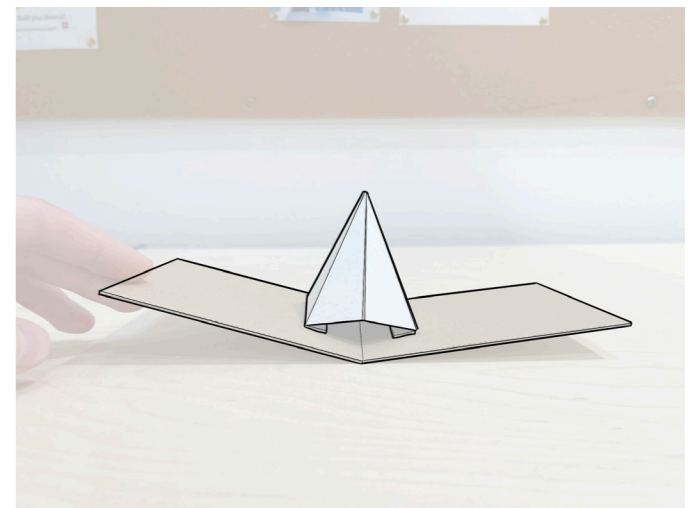
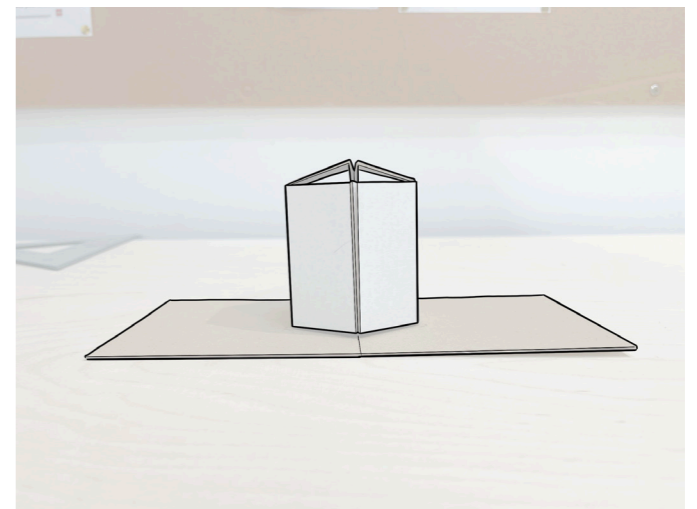
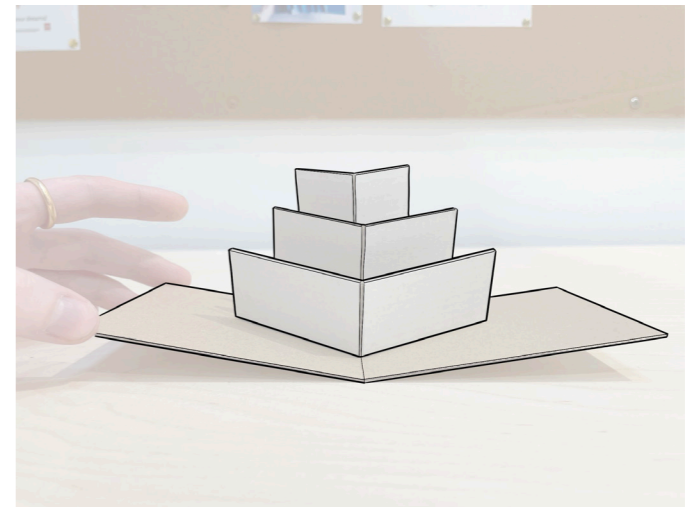
01



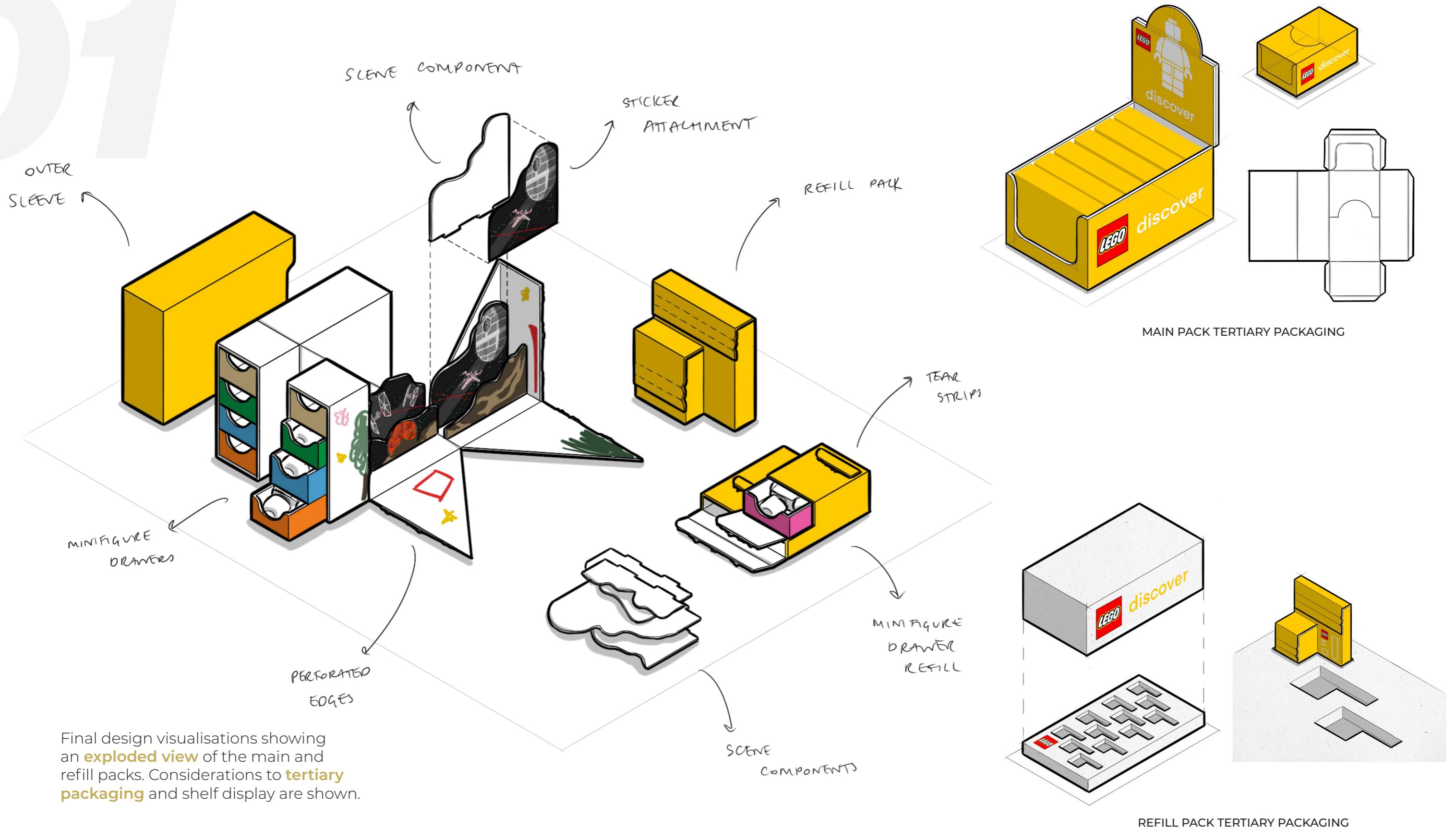
MODEL MAKING

Testing **pop-up mechanisms** in corrugated cardboard.

- Pop-up concepts ruled out as the material properties are **unsuitable for the application**. Move towards diorama solution.
-
-



01



Final design visualisations showing an **exploded view** of the main and refill packs. Considerations to **tertiary packaging** and shelf display are shown.



01

Final stylised **product photography** showcasing the product in use. Main pack can be **personalised** with colouring-in and refill scene components and stickers, creating a **versatile play scene**.



02

FLOOR FEEDER

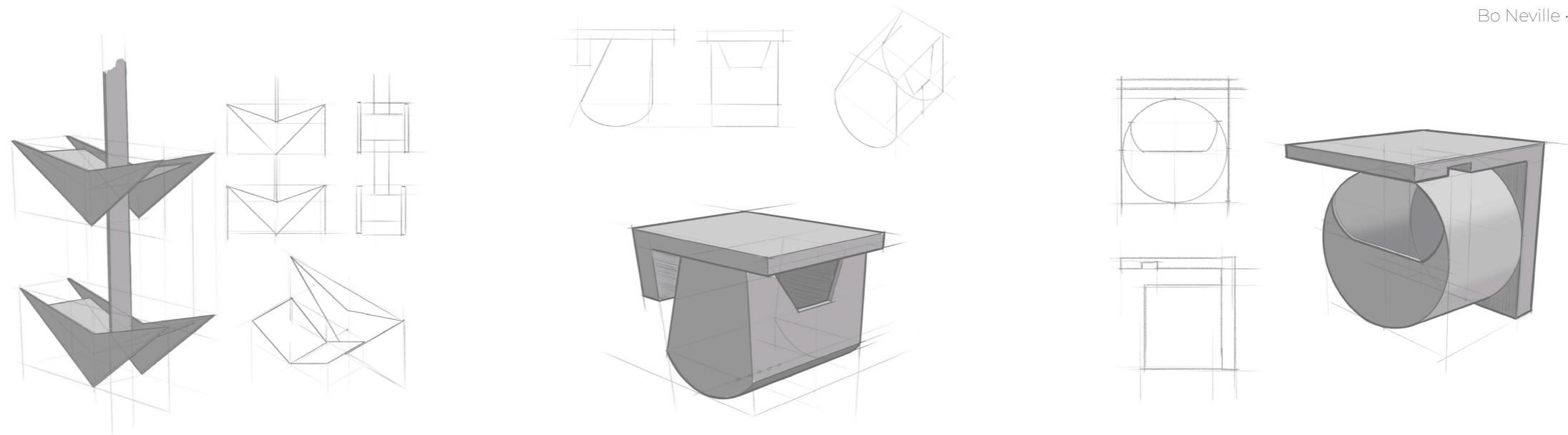
Wilko
2021

Design and make a **birdhouse or feeder** for low volume **batch production**. The product will be sold to a live consumer at an existing commercial market.



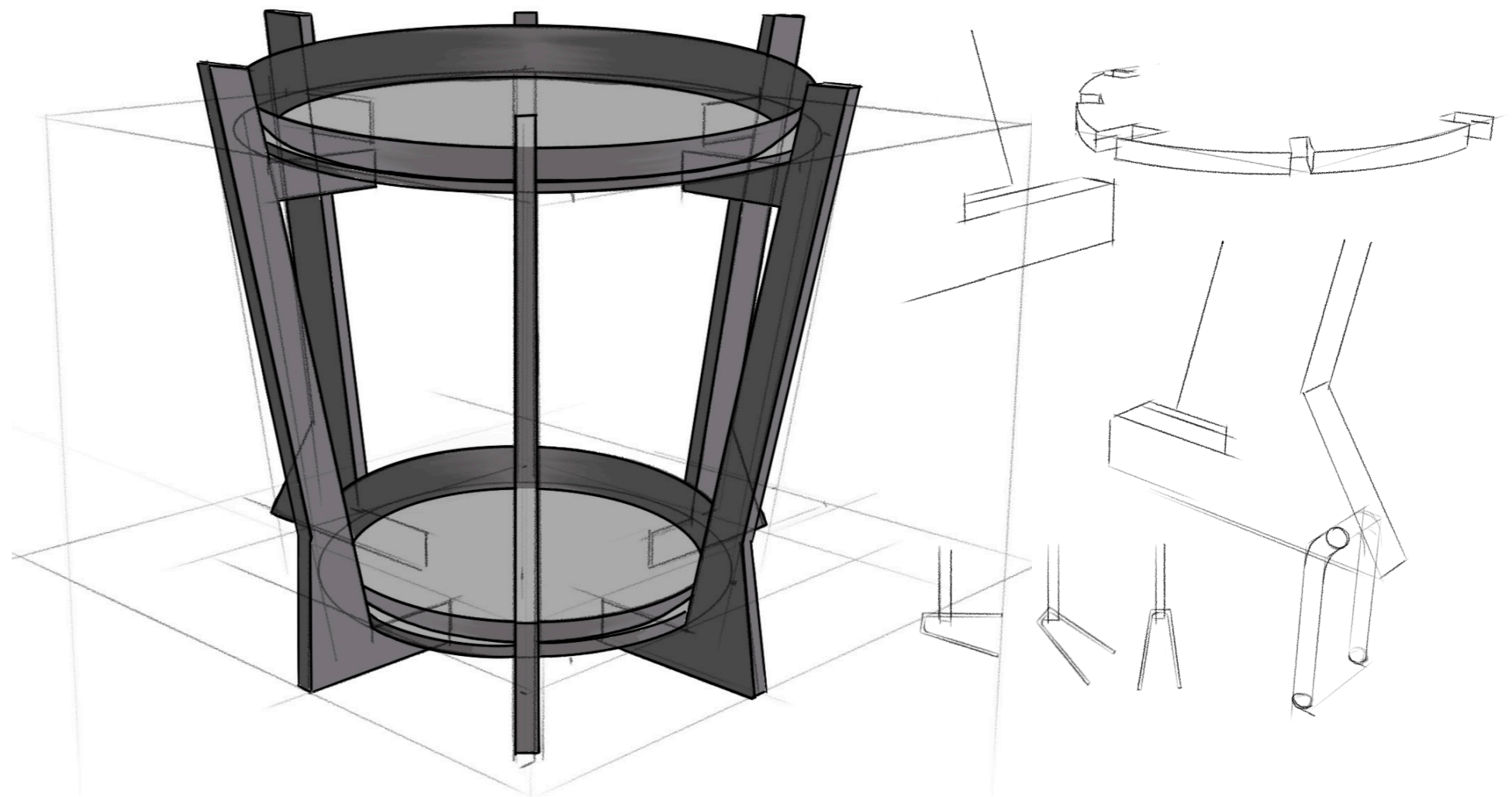
wilko

02



“50% of the RSPB’s top ten garden birds are ground feeders”

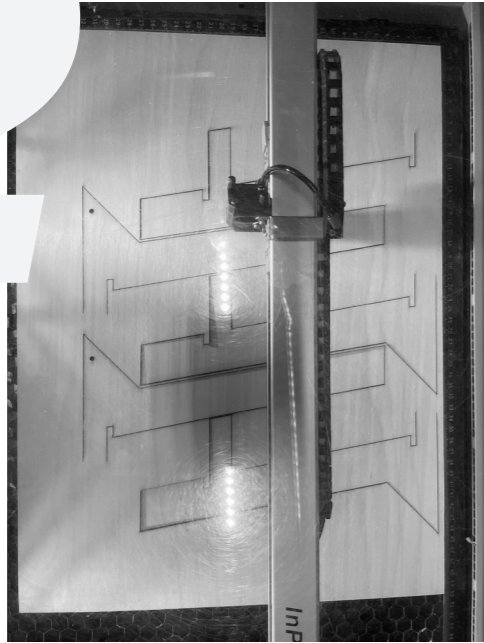
- RSPB 2022



Exploring a range of **brief responses** including bird boxes, bird feeders and bird baths. Settling on the **ground feeder** and pitching as a concept founded in research.



02



01 LASER CUTTING



02 SLAT FINISHING



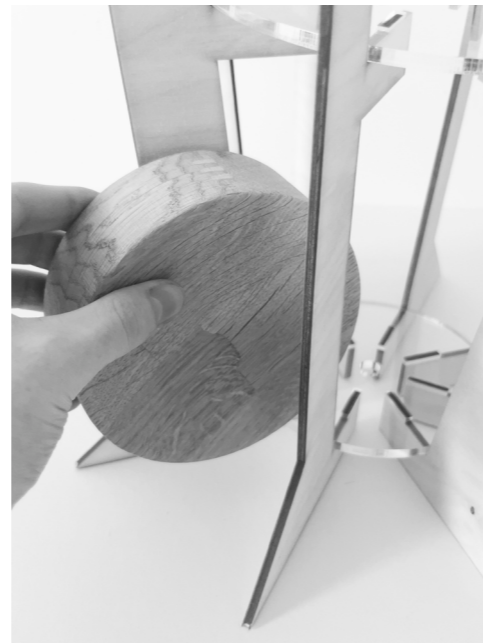
03 CNC ROUTER



04 TURNING



05 TEMPLATE CHECKING



06 FIT TESTING



07 BOWL FINISHING

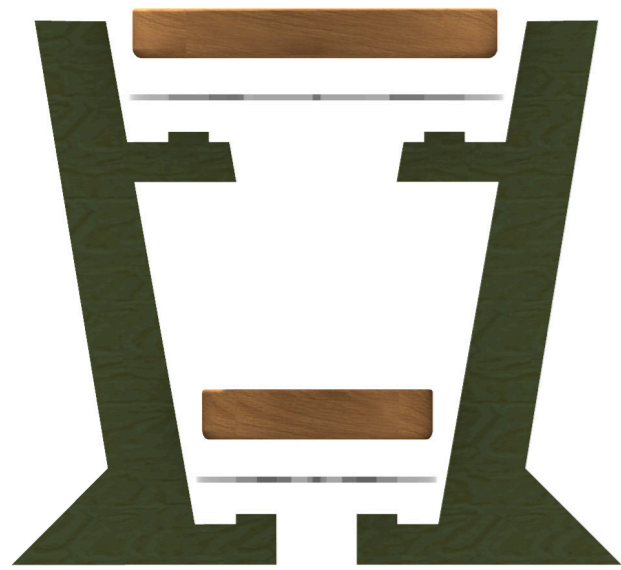


08 PACKAGING

Leading a team to manufacture the products, utilising a range of batch production techniques. **Digital manufacture** processes and templates were used to ensure product quality.



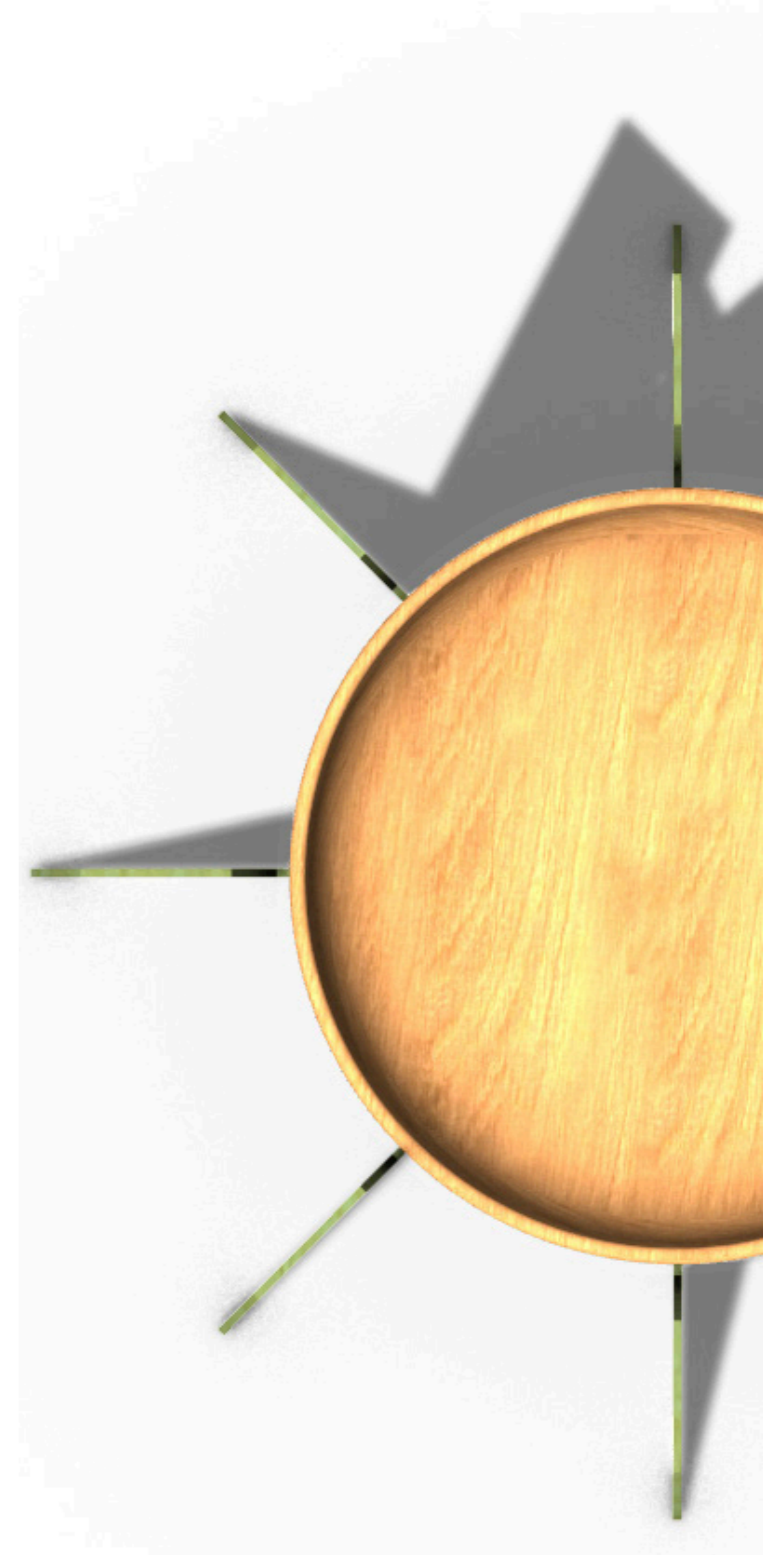
02



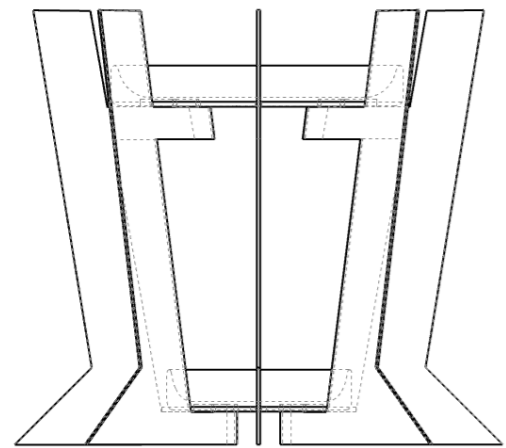
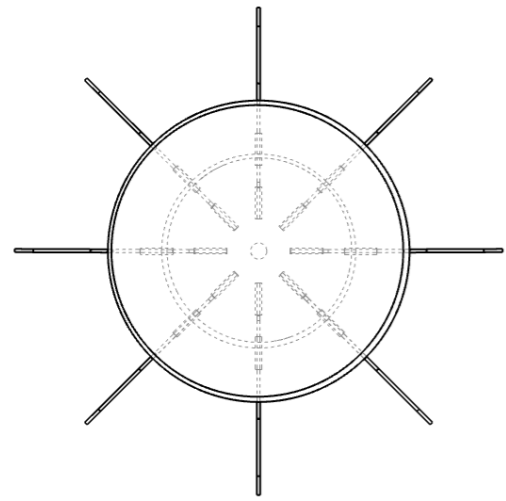
Using **CAD software** Rhino to visualise the product with the final materials and finishes. Top down view, perspective view and **exploded view renders**.



RENDER | RHINO



02



Final Floor Feeder made from hand turned oak bowls, acrylic plates and plywood slats. Sustainably **designed for disassembly** and small scale batch production.



03

READ ME

Herman Miller
2021

Use **human centred design** research methods to identify challenges faced within **learning spaces** for **neurodiverse users**. Iteratively prototyping to understand and address the issue.

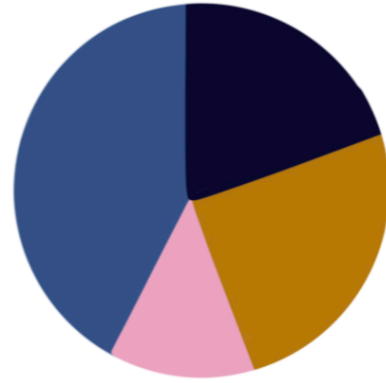


HermanMiller

03



Identifying a group



Sending out a questionnaire



Conducting an interview



Secondary research



Designing concepts



Gathering feedback

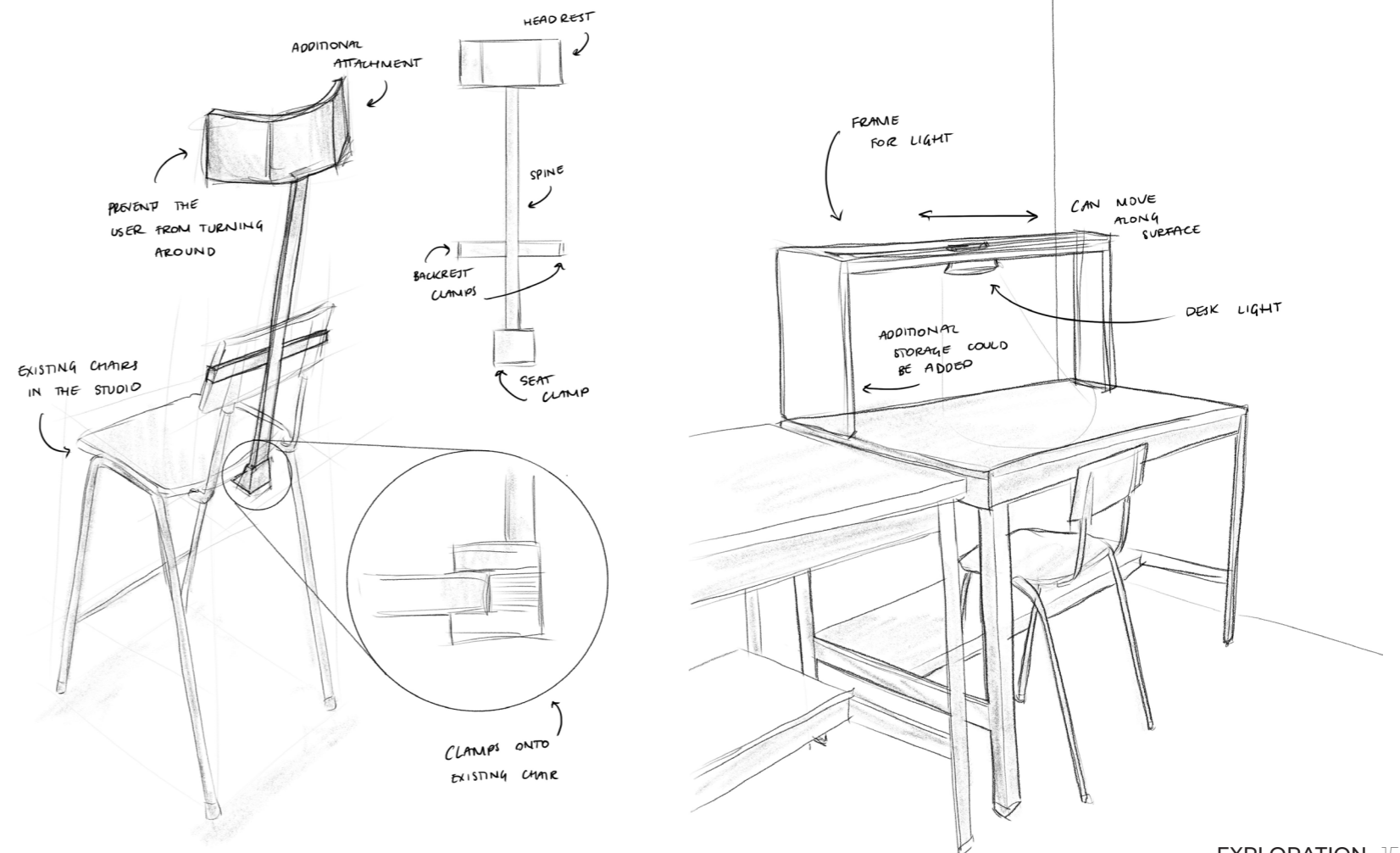
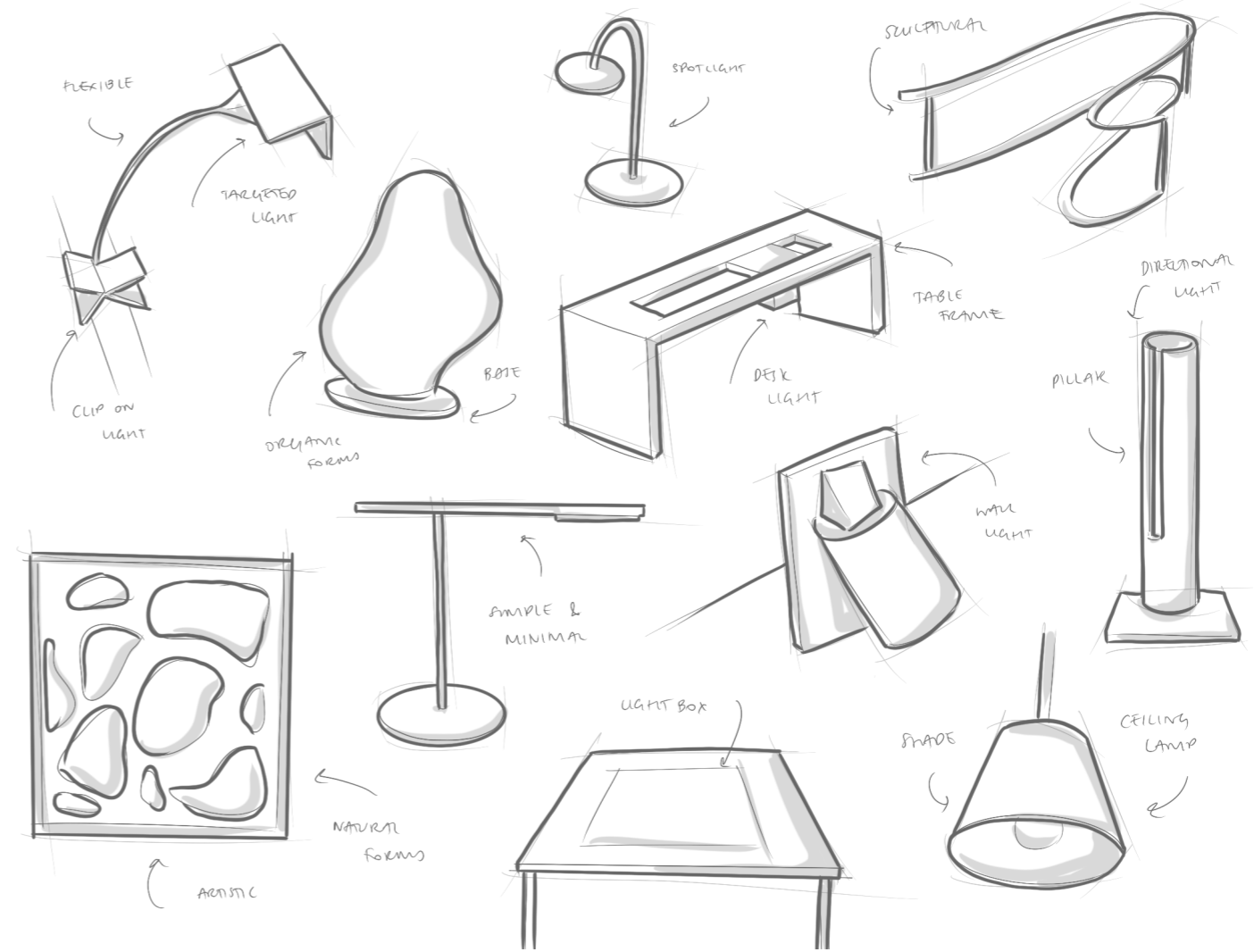
- The map of the human-centred design **process** that was followed throughout the project. Emphasis on understanding the user's needs and **collaborative testing**.
-
-
-

03

Do you feel productive in your **workspace?**



“No, **distractions** around me stop me from being productive”



Identifying the users **ADHD diagnosis** and their tendency to get distracted in shared spaces. Beginning to design **physical products** that can help improve focus and **reduce distraction**.

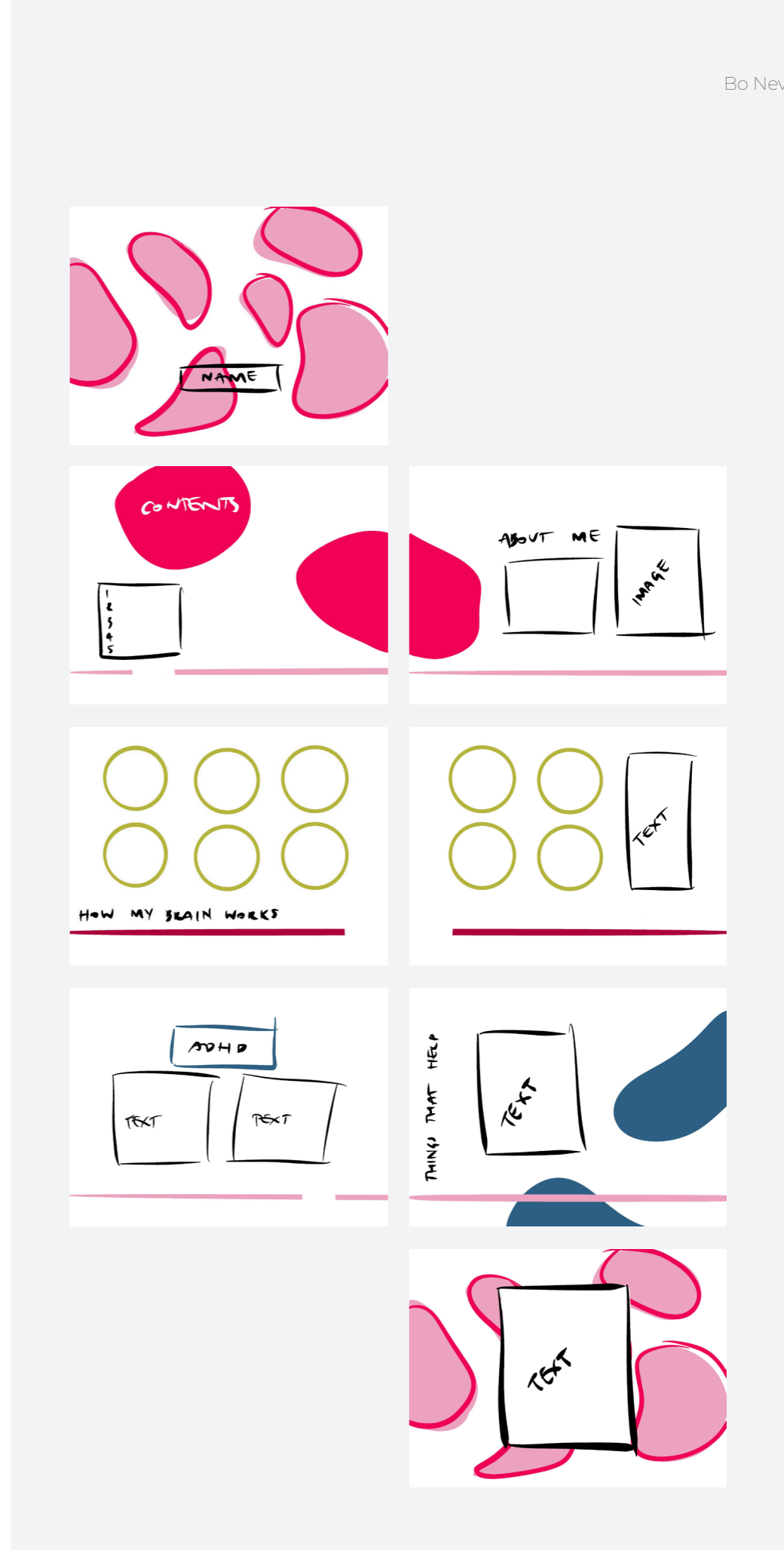


03



USER TESTING | SCALE

Move towards a more **conceptual solution**.
Developing a book that will have information about the user and their **individual needs**.
 Designing the layout, visual graphic elements and written content.



03



Final book held by **intended user**. Containing information about herself and her **working habits** to share with her peers, so that they understand how to **best support her**. Book to be displayed on the user's desk.

04

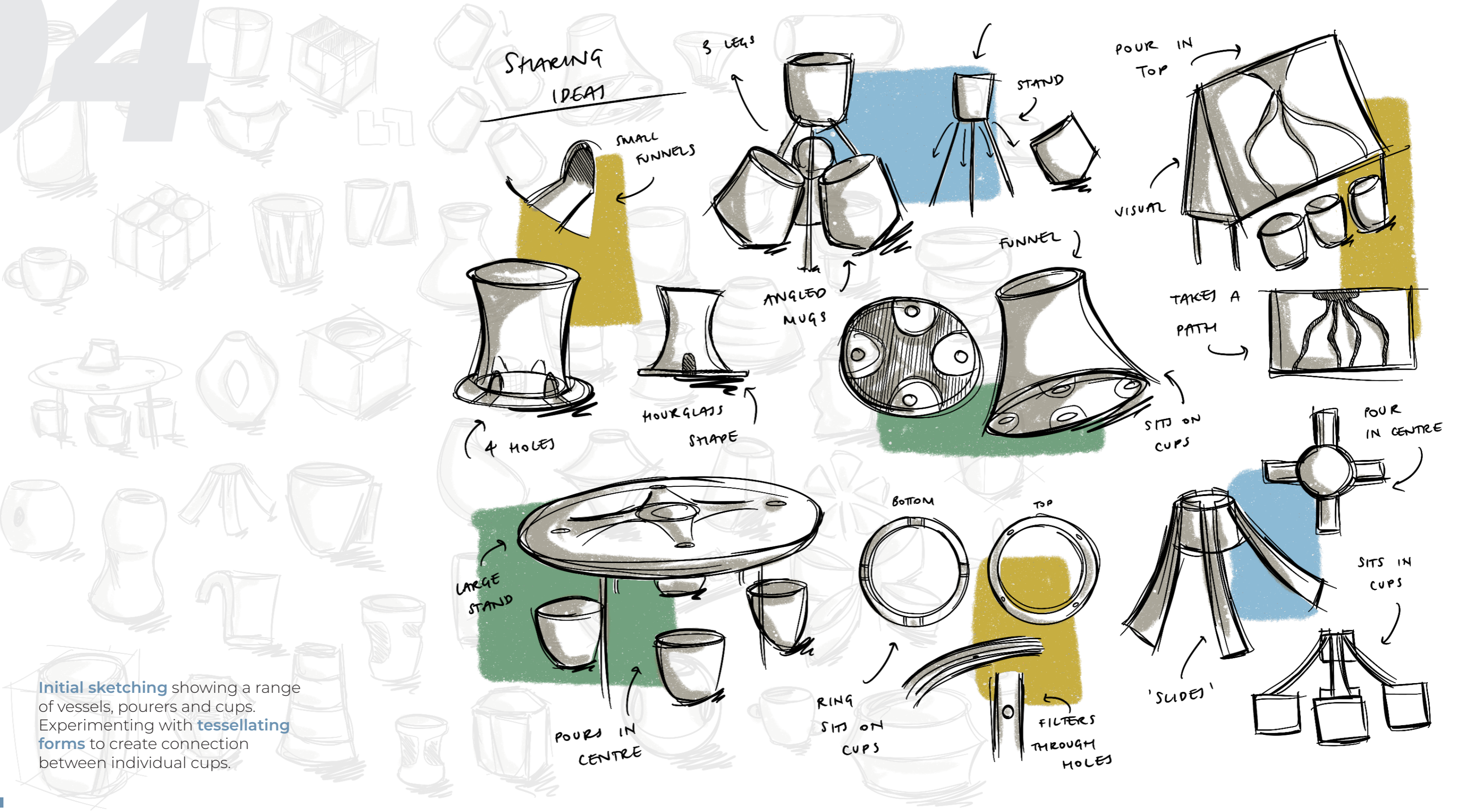
MERAKI

Self Defined Project
2022

Create a **tea sharing experience** designed to encourage mindfulness within **daily routines**, allowing **connection** with others over simple shared experiences.



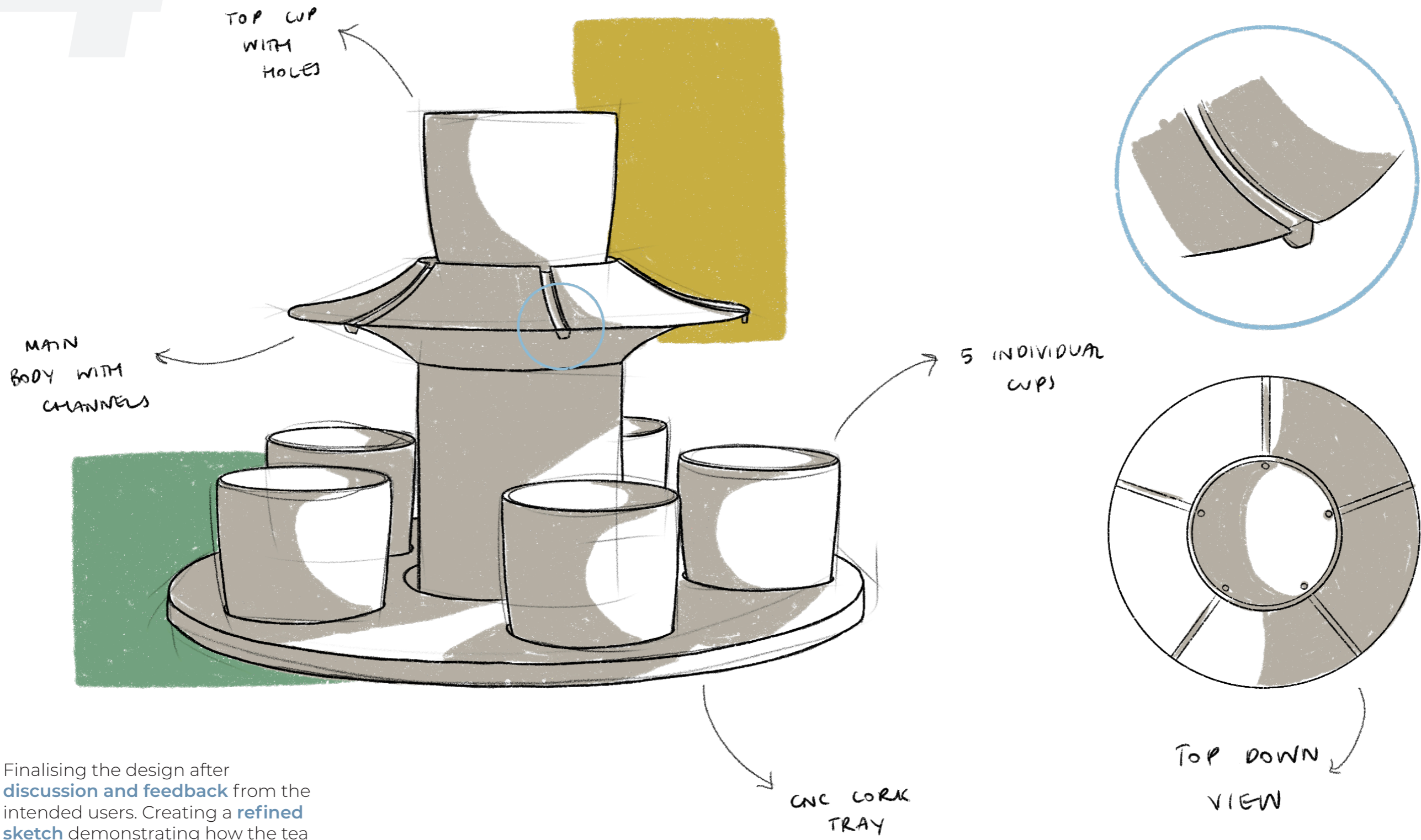
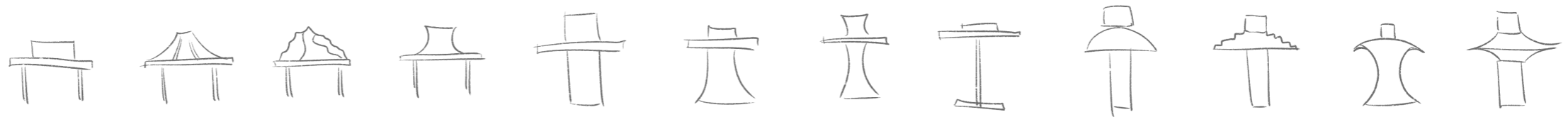
04



Initial sketching showing a range of vessels, pourers and cups. Experimenting with tessellating forms to create connection between individual cups.



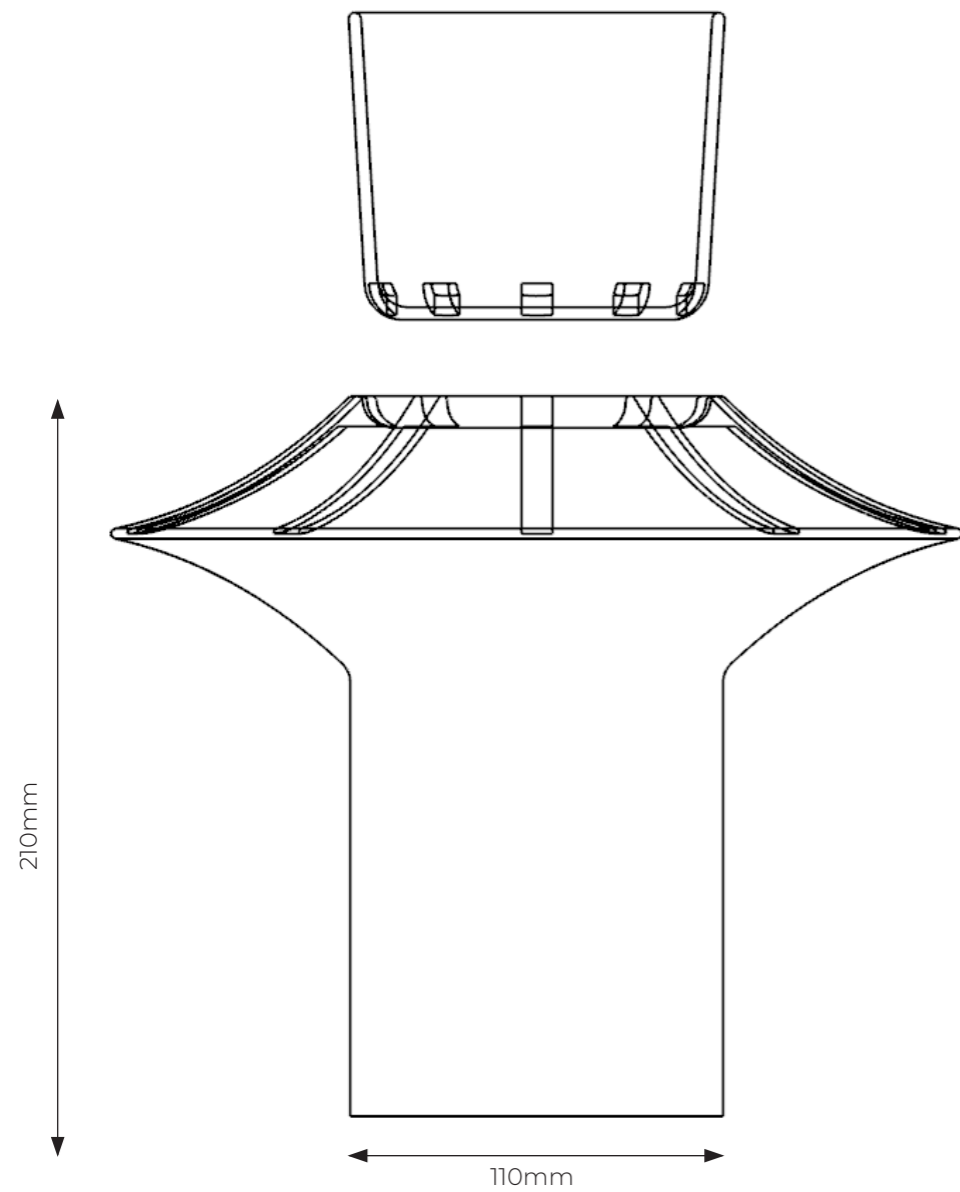
04



Finalising the design after **discussion and feedback** from the intended users. Creating a **refined sketch** demonstrating how the tea is 'shared from the same pot'.



04



01 PLASTER TURNING



02 PLASTER ORIGINALS



03 3-PART MOULD



04 SLIP CASTING



05 CHANNEL CUTTING



06 GLAZING

Creating the **centrepiece**. Using templates to turn plaster originals on the lathe, creating **three-part plaster moulds**, slip casting in **porcelain** and creating the channels before glazing.



04



A demonstration of how the **water flows** through the centrepiece and down into the individual cups. A **celebration of materials**, processes and the 'handmade' - **encouraging connection** between users and objects.

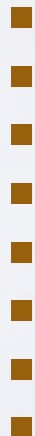


05

NOURISH

Final Major Project
2023

Creating an **alternative brand** for individuals who rely on **enteral feeding**. The focus is on creating furniture-like pieces that blend seamlessly with **home decor**.



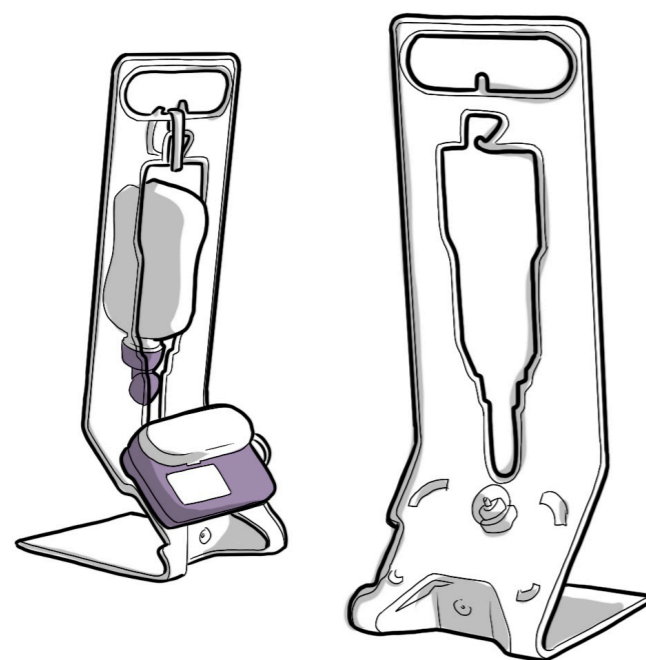
05

“I don’t think the equipment supports **day to day life.**”

PINNT Member - Age 34

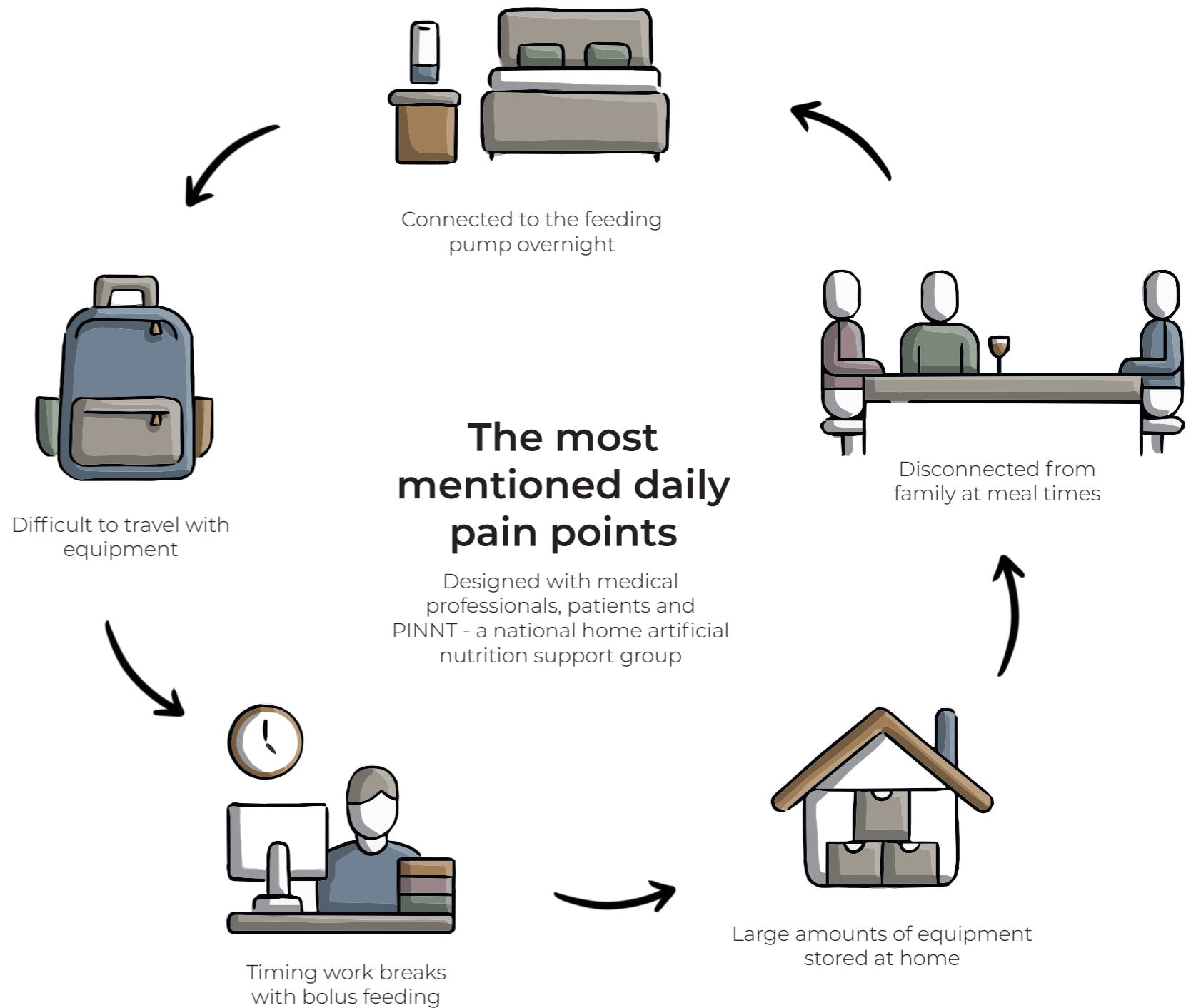
“I would buy something more **portable** and **stylish** if it was available.”

PINNT Member - Age 60

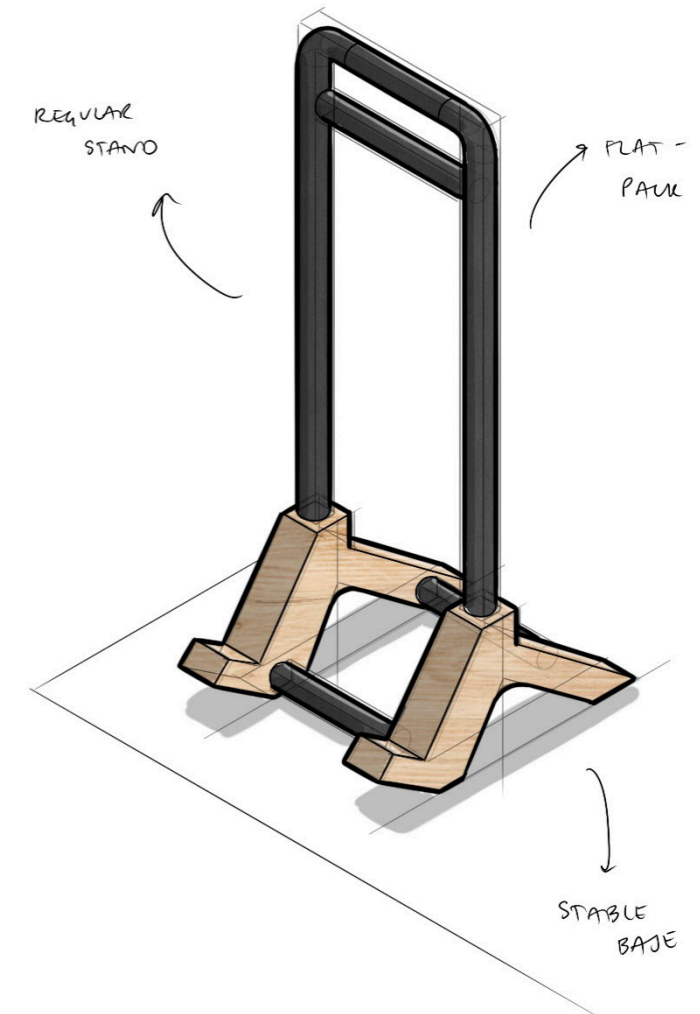
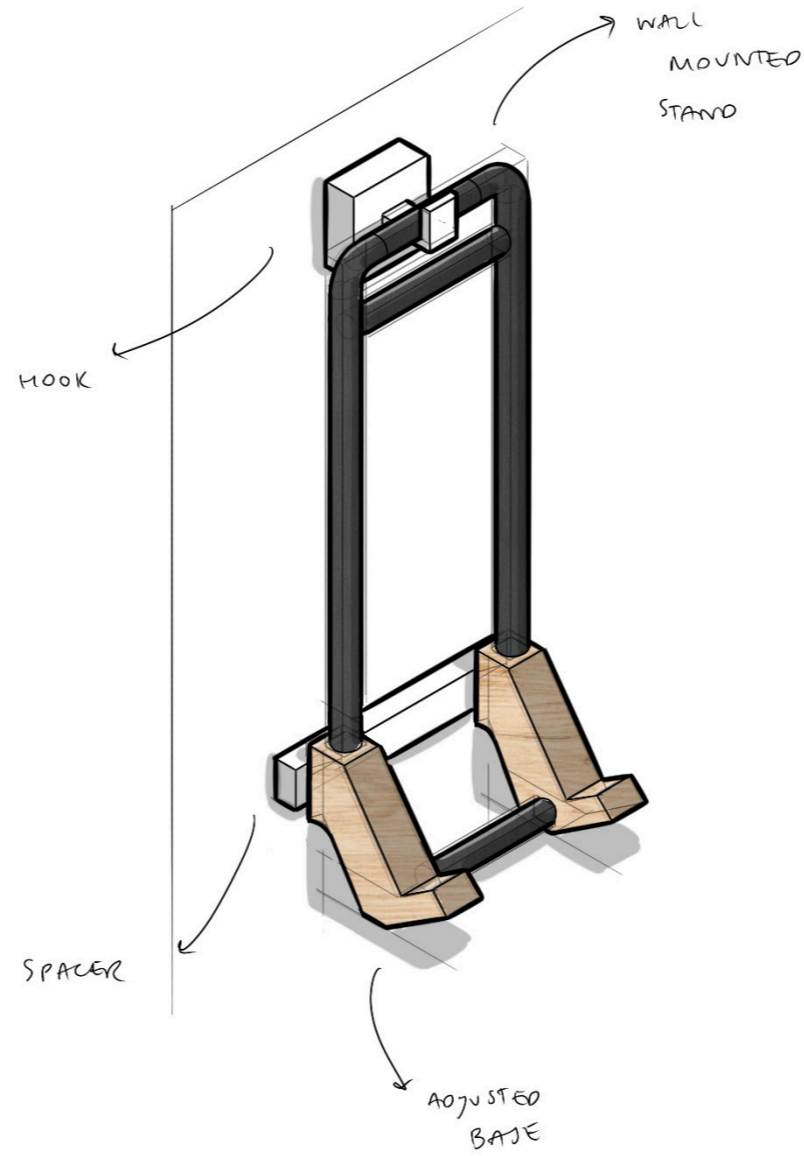
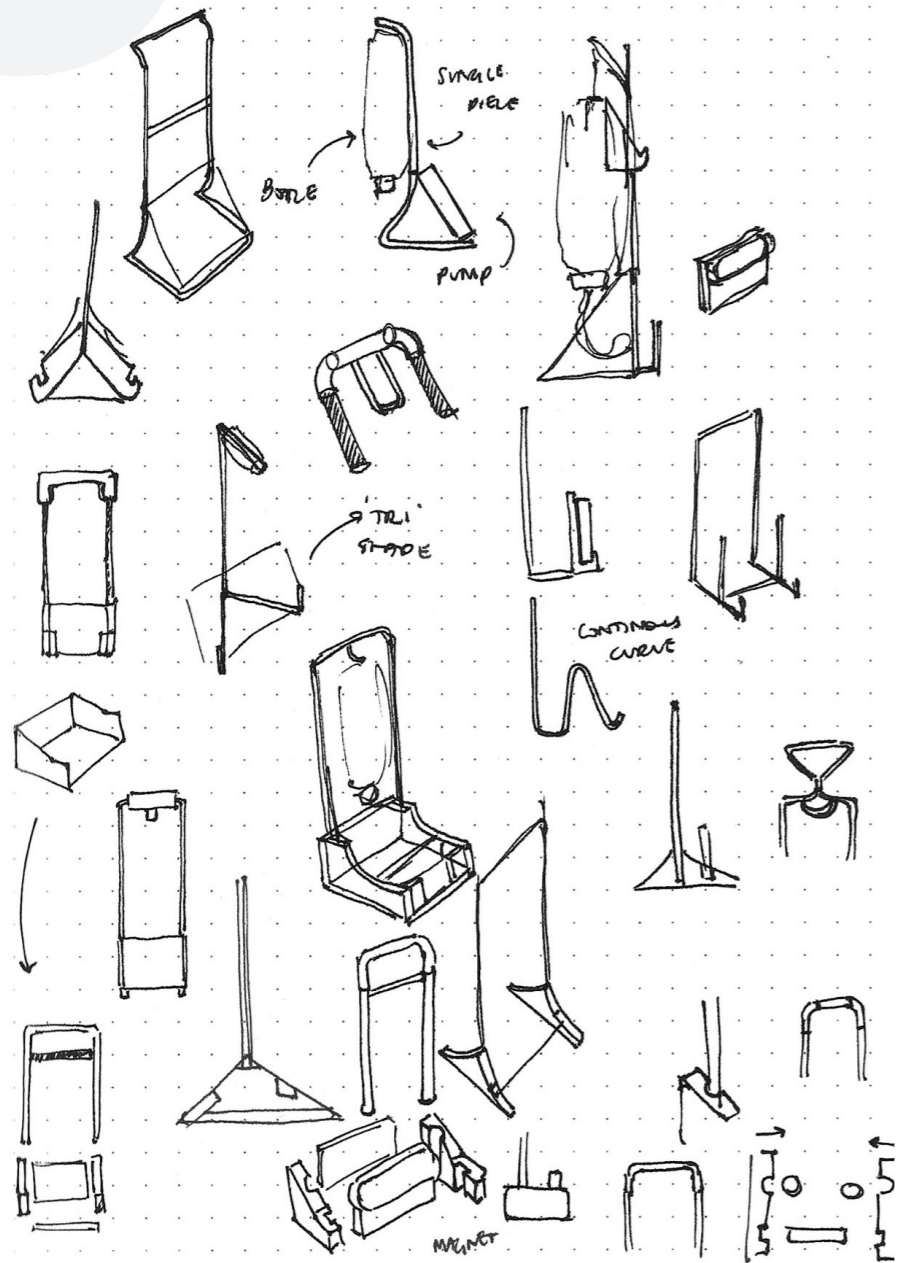
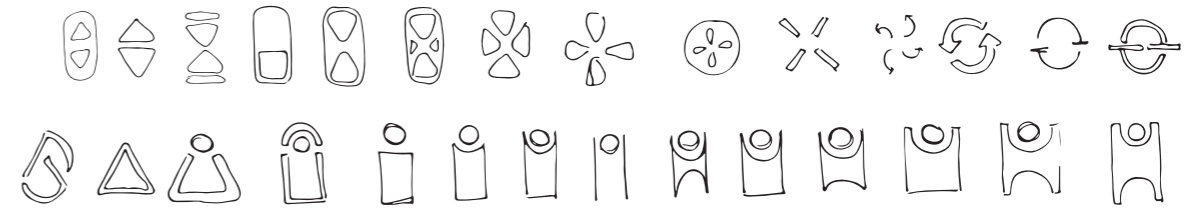


The existing enteral feeding equipment is created by brands such as Nutricia and supplied by the NHS.

Initial research into the enteral feeding and the existing medical devices provided by the NHS. Conducting **interviews** with users and **medical professionals** and identifying the most common **pain points**.

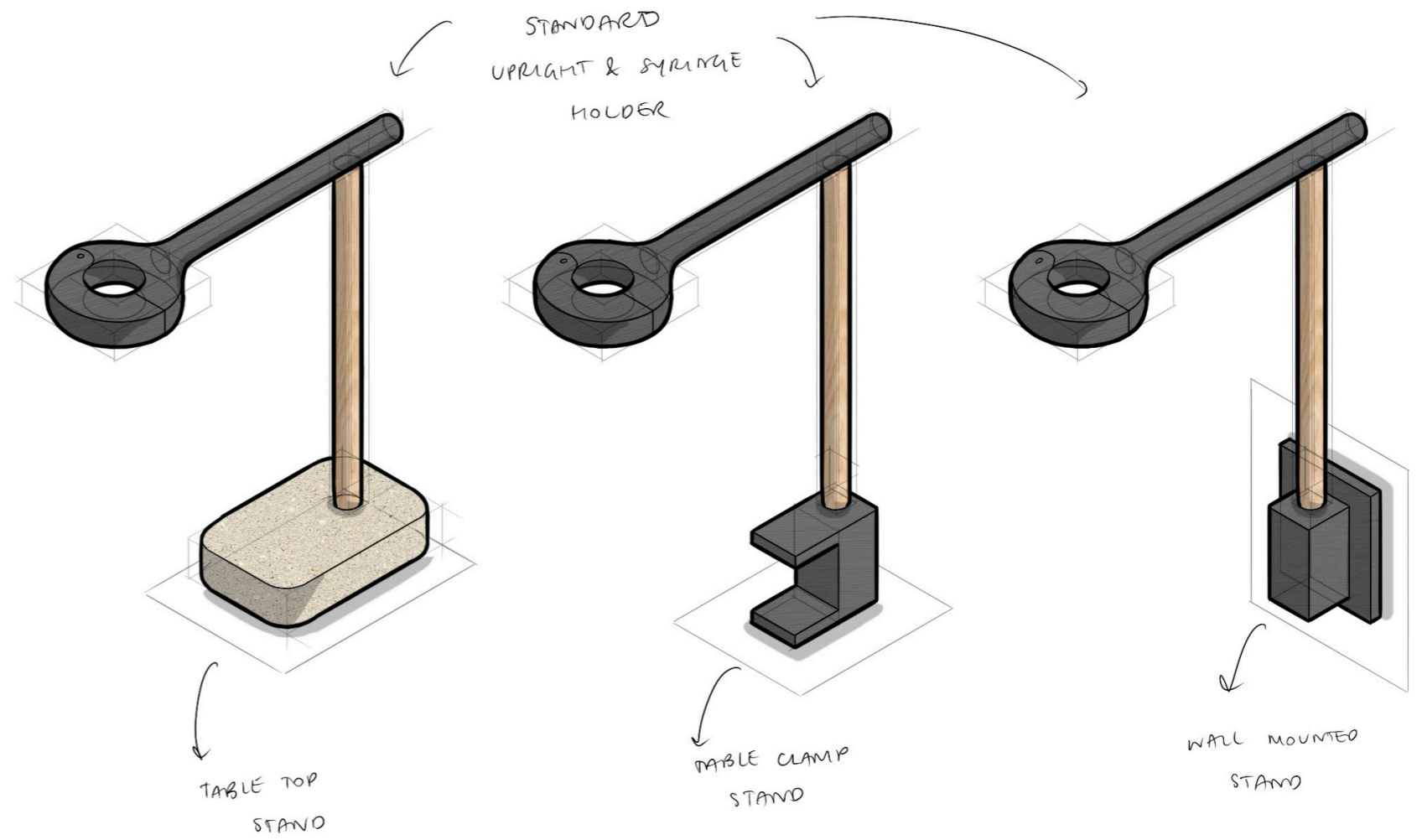
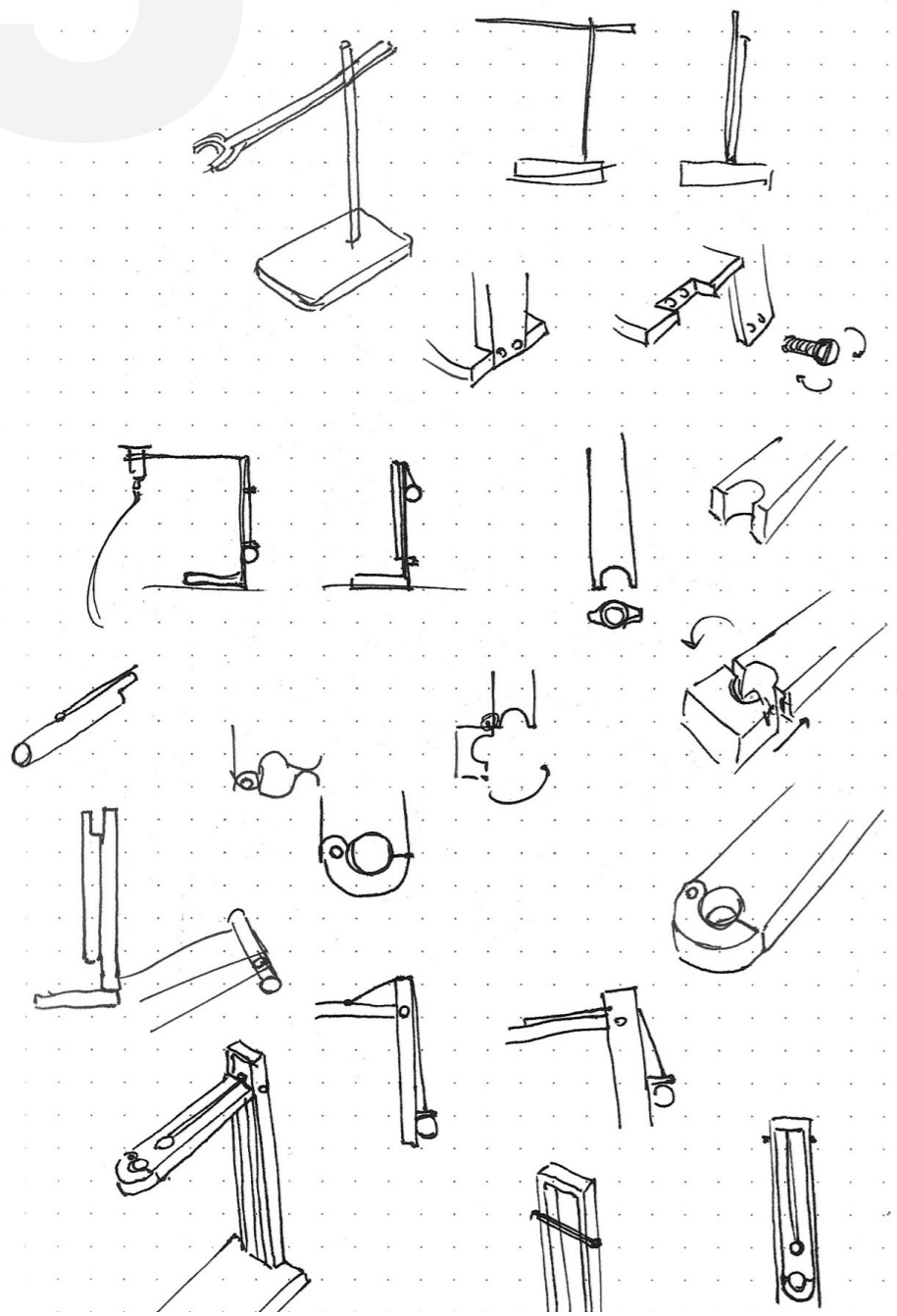


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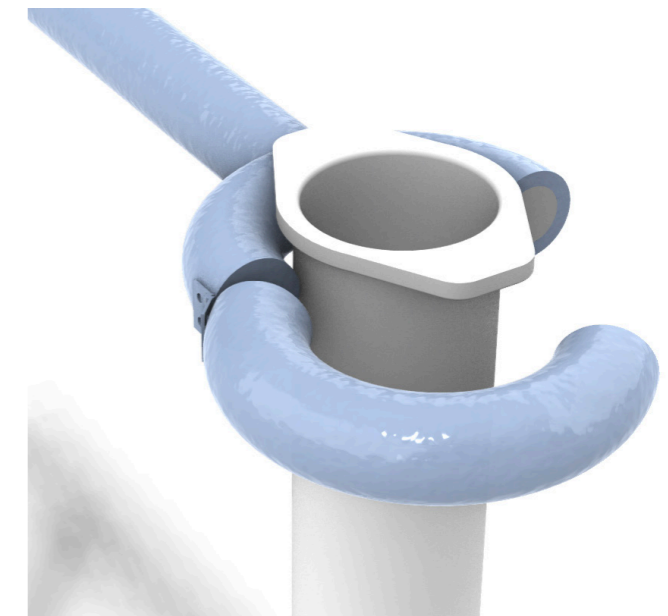
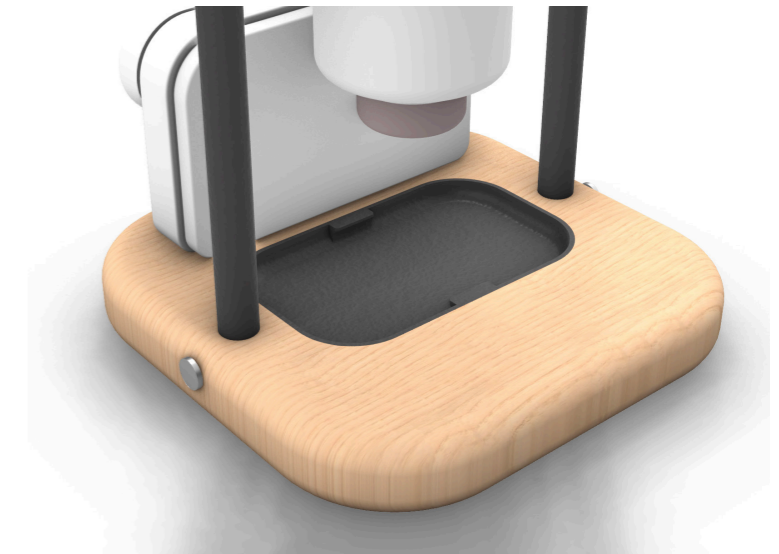
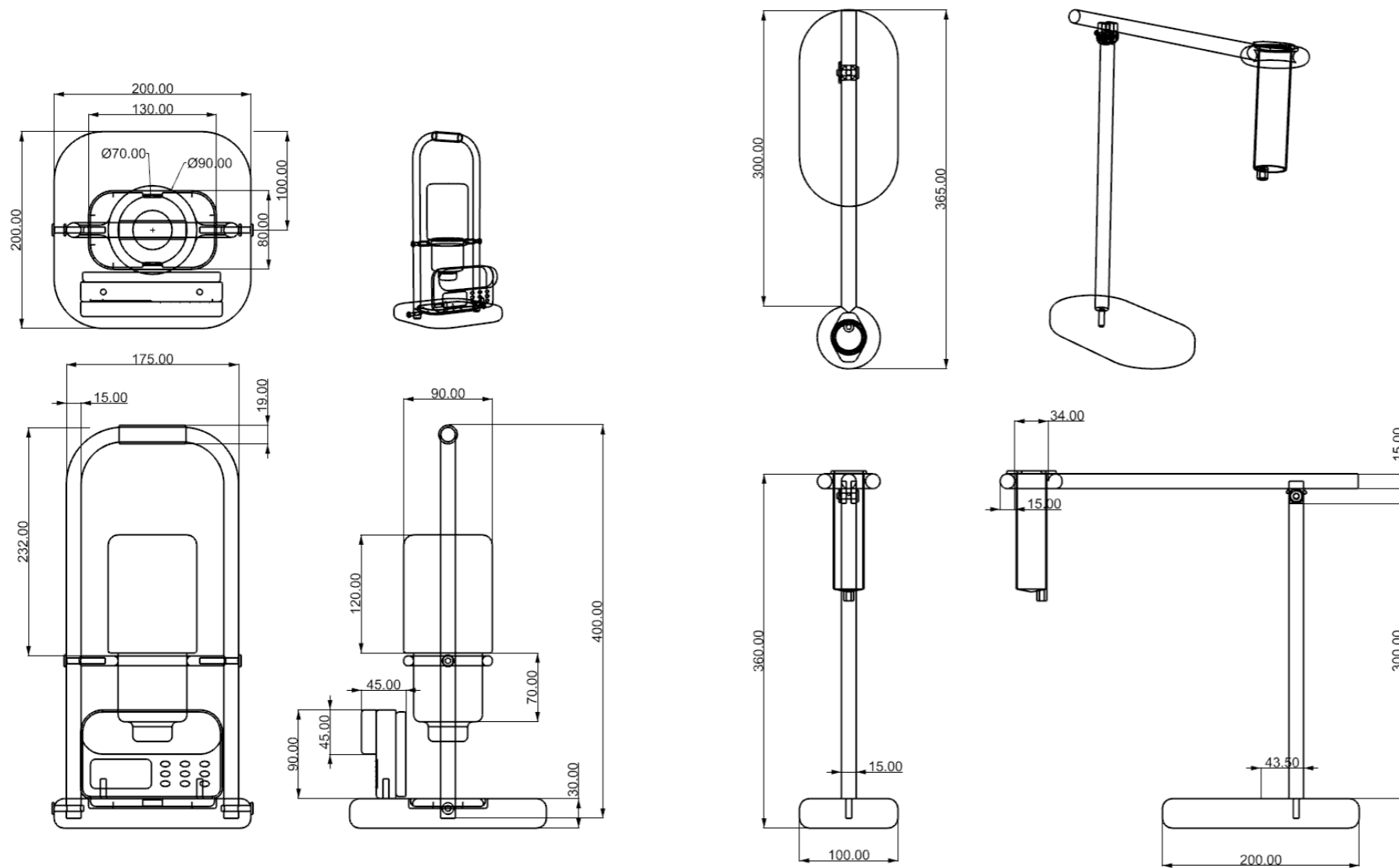
Concept generation and iteration for the **pump feeding stand**, exploring different shapes and frames, leading to more **refined sketches**. Also, exploration into a **brand logo** for the product and system.

05



Further concept generation for the gravity bolus feeding **syringe holder**. Focusing on how the product can blend into the home and **fold away discretely** when not in use. Further focus on **materiality**.

05



■ Final design represented in orthographic technical drawings to be used in the fabrication of the products. Further renders show small detailed sections of each design.

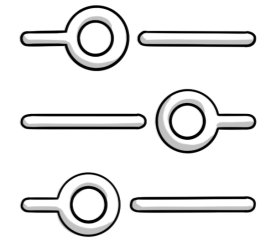
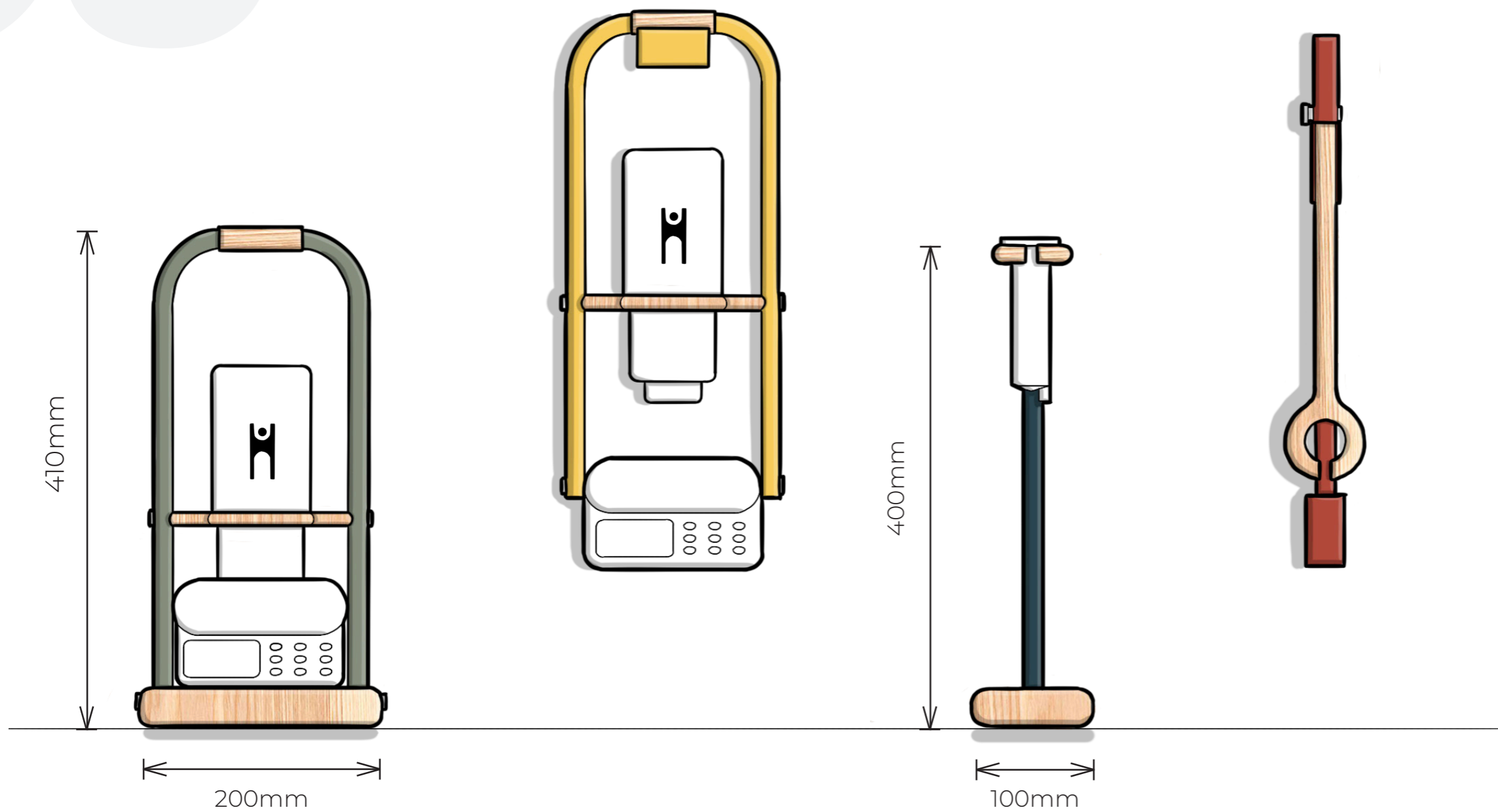
05



Using different materials within the design lead to different **manufacture methods**. Mainly utilising **computer-aided machinery** for precise construction.



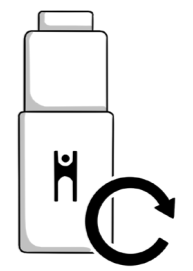
05



Personalised products that match the users' **aesthetic style**



The equipment is sold in **flat-packed** form for easy **self-assembly**



A **subscription** model where the bottles can be returned and **refilled**

Final design illustration highlighting the two products in both their forms. The board shows how the products address the **users needs, transportation and sustainability.**

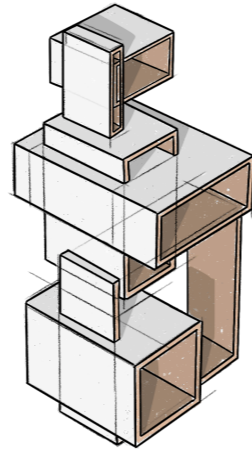
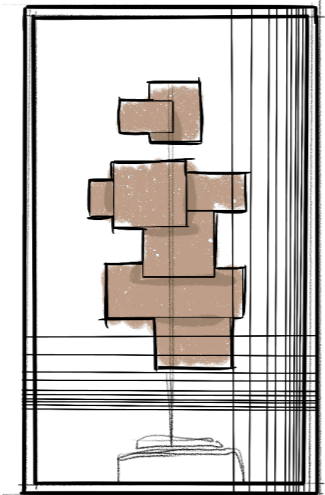
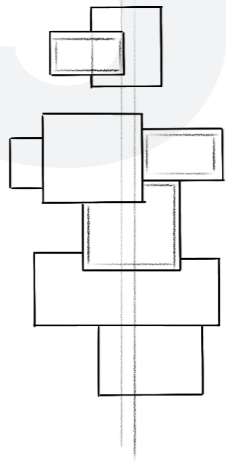


05



Project posters showing refined **product photography**, brand tag lines, a visualisation of the graphics for the **refillable bottles** and a **key user** interacting with the product.





DESIGN INTERNSHIP

Matter NPD
2022

“Whilst interning at Matter, Bo became an integral and valued member of the design team. Bringing **fresh perspective** and an inquisitive mindset, Bo was always forthcoming with ideas and wasn't afraid to ask questions or **challenge thinking** on projects. During their placement at Matter, Bo worked on a breadth of live client briefs. From strategic design projects for global FMCG brands mapping **future product pipelines**, to crafting brand-led **structural packaging** experiences, championing positive shifts in sustainable practice. Thoughtful in approach and a **fantastic communicator**, Bo demonstrates great competence in their process, always looking to sharpen and **grow as a designer**.”

Duncan Colquhoun
Senior Creative Lead, Matter

MATTER



“Thoughtful
in approach
and a fantastic
communicator,
Bo demonstrates
great competence
in their process.”




BO NEVILLE

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