



Luke Gennard

lukegennarddesign@gmail.com
www.lukegennard.co.uk
+44 7712895355

Hello

My name is Luke Gennard and I'm a 23-year-old product and industrial design from Wolverhampton.

In this design portfolio is an exhibition of some of my favourite pieces of work which showcase a number of my different skills. I'm incredibly passionate about my work and would love to answer any questions you may have about the projects, skills or methods used within my work.

What is my design philosophy? I believe that design should be fun and challenge the complacent. I believe that unsustainable designs are lazy. There is no space in this world for another bland design to be churned out. To quote a wise man, "less, but better."

Nesting Tables

Pages 2-5

Postal Radio

Pages 6-7

Good Grips

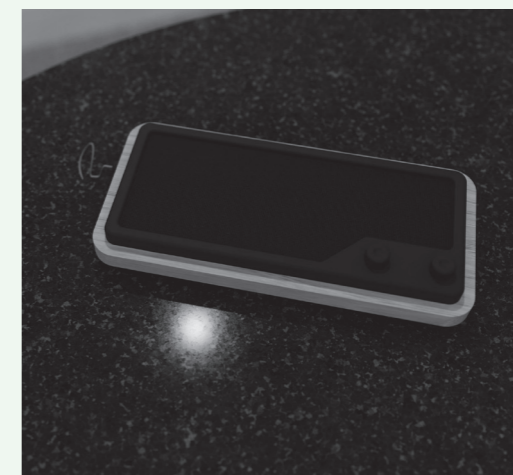
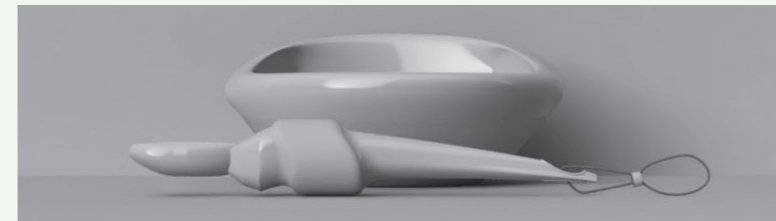
Pages 8-9

Conceptual Seating

Pages 10-11

Ergonomic Kitchen

Pages 12-15





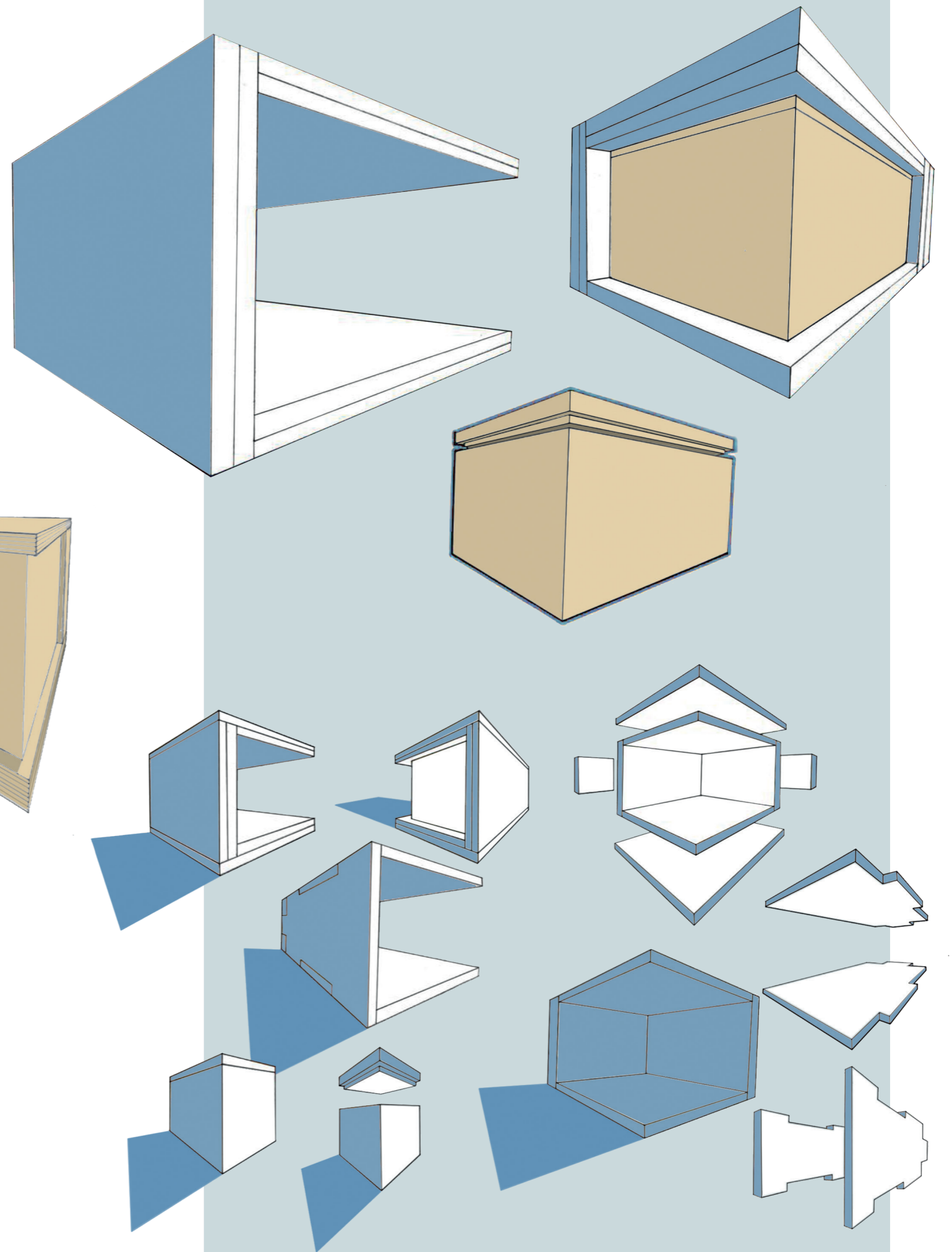
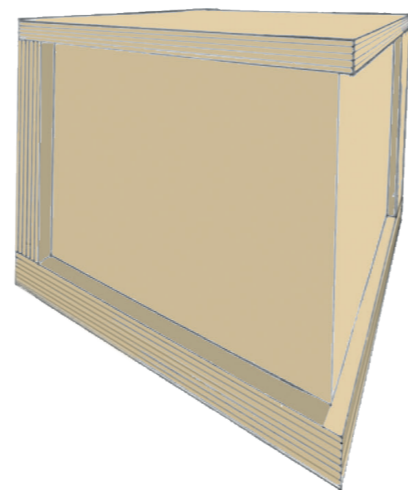
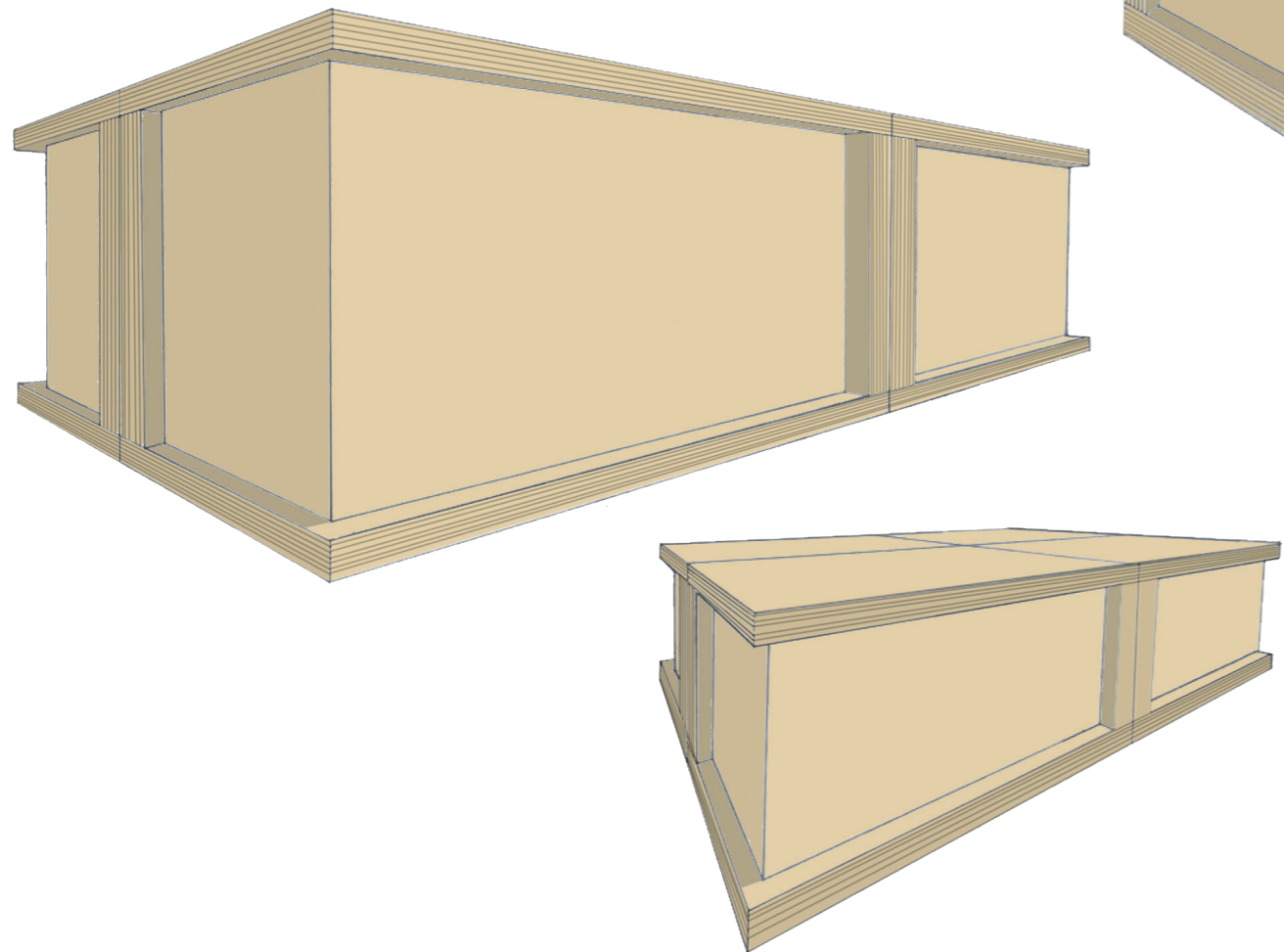
Nesting Tables

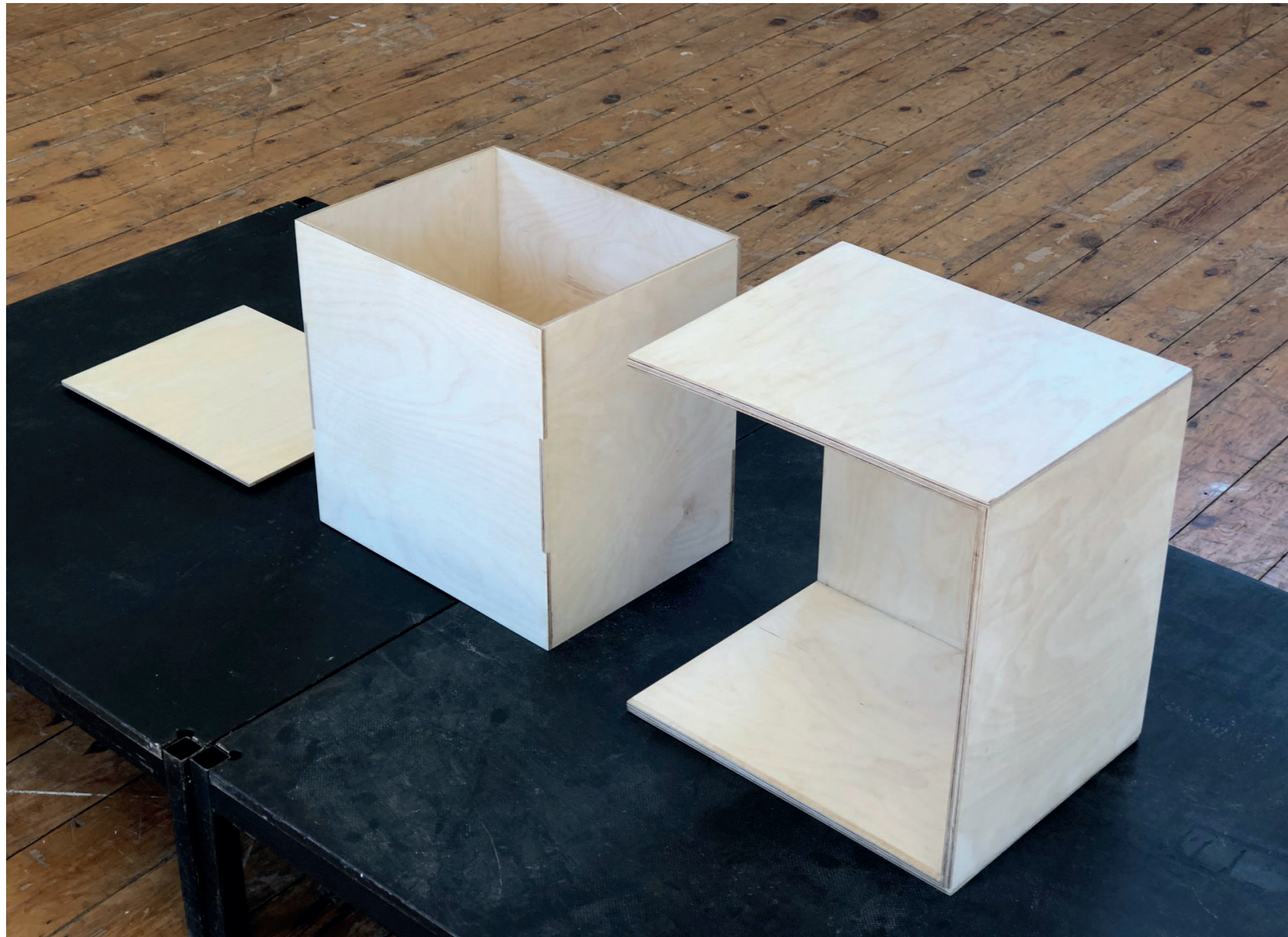
Designing a set of tables to be produced affordably, out of sustainable materials and with considerations in place to fit a modern micro-home.

Nesting Tables

2018

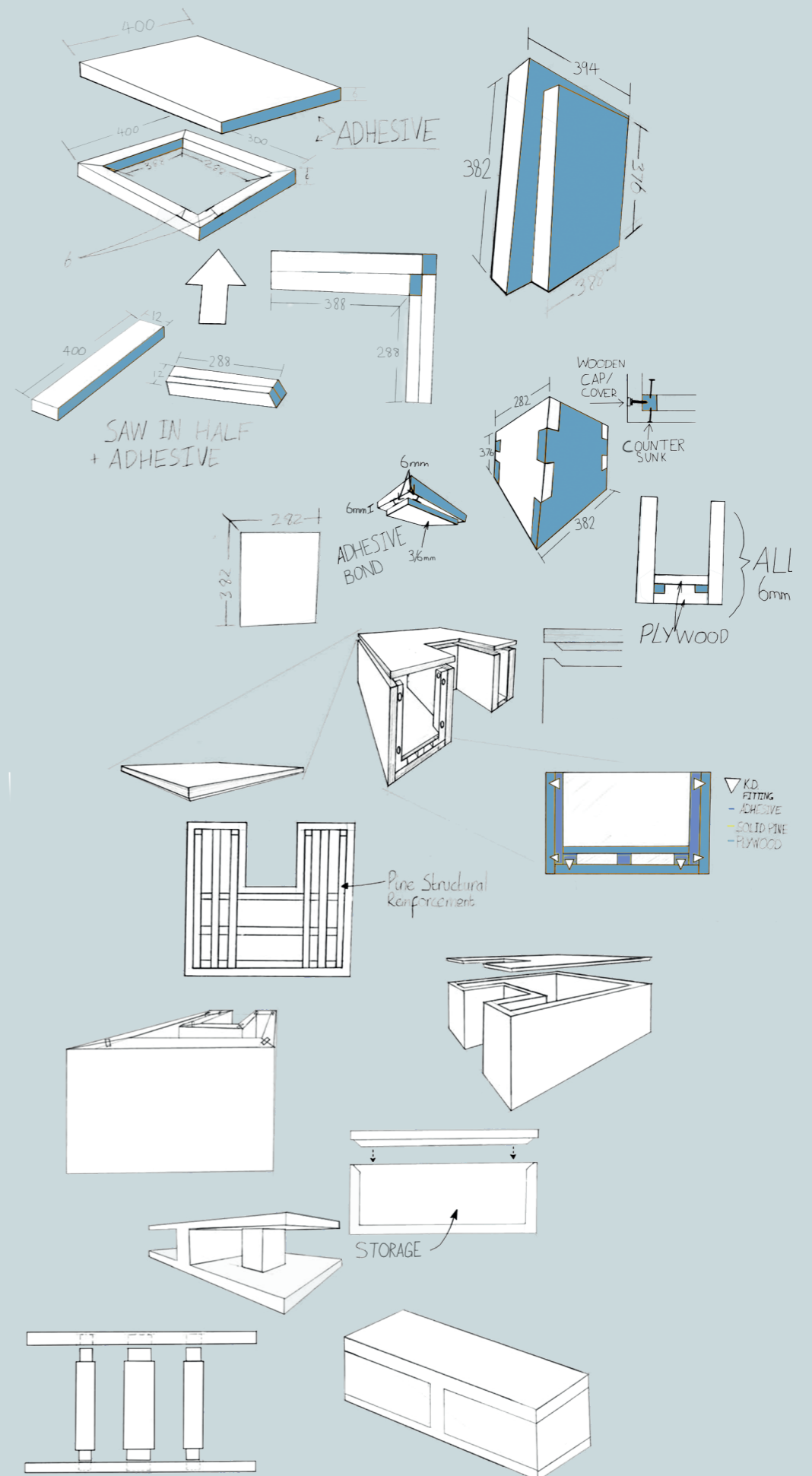
The Nesting Tables brief was a task which wanted to explore solutions to common household problems without using over the top solutions. By asking for cheap, manmade boards to be used in the construction, the brief was looking for an end product which embodied the problems instead of sidestepping them. I used the limitation of manmade board as a means of empowering the design. Manmade boards often have specific traits and grains which make them unique when you put them next to solid timber, so I used this the unique end grain of plywood as a standout design feature.





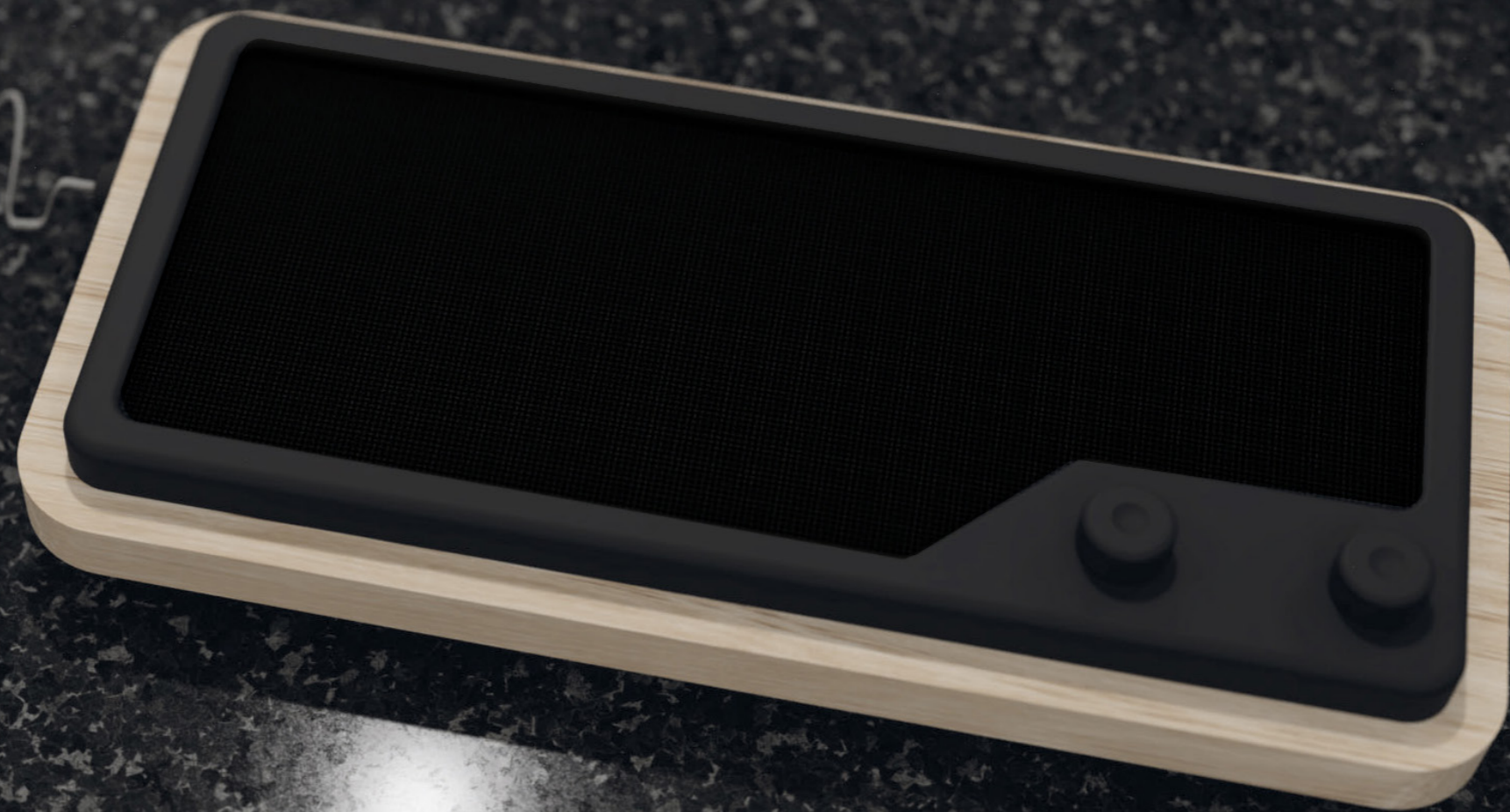
The table was built by drawing out a 2D drawing on Fusion 360 which was exported to a CNC router. The routed edges were touched up by hand using a variety of files and rasps, then the entire body was sanding sealed and coated with a shiny beeswax.

The manufacturing brief was limiting the table to a max dimension of 500mm in any direction, a restriction I personally felt affected the ergonomics of the table. So to ensure the tables addressed this area of the brief, I made a collective of multipurpose tables which not only fit into this size bracket, but could combine to make a larger table should it be required.





The series of nesting tables can interact with other tables of its kind to form longer, wider and taller units. A coffee table? Storage bin? Stacked to form a shelving unit? The interactions are limitless.



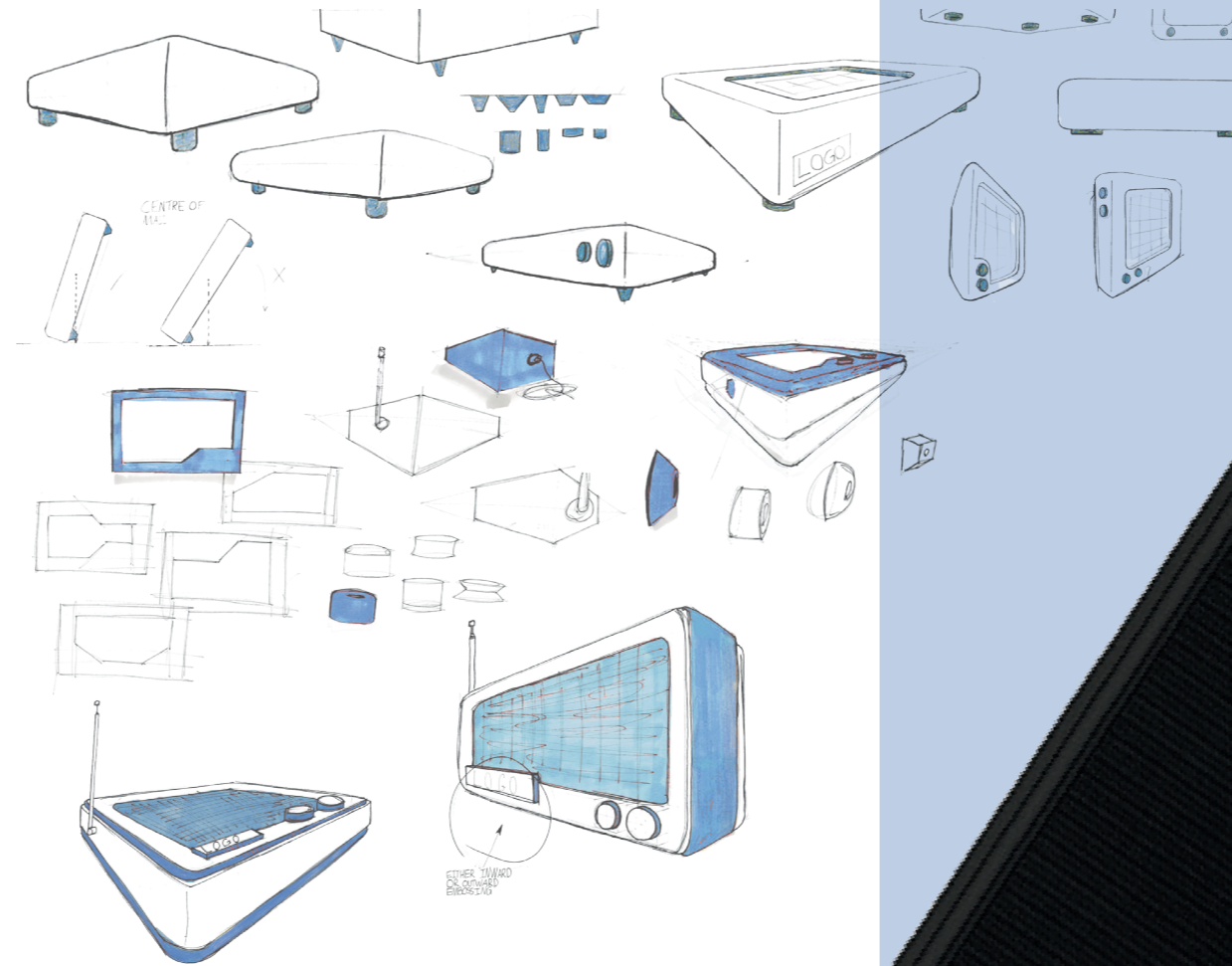
Postal Radio

Designing and manufacturing a radio on behalf of an organisation who sends their customers electronic products such as radios in the post.

Flat Radio

2017

My radio project was a brief which asked for a radio which could be delivered via the UK postal service to accommodate for a company's desire to post radios to customers. This restriction put an incredible amount of pressure on the function influencing the form of the design. These restrictions forced the radio into an envelope shaped product, tested rigorously by measuring dozens of letter boxes, sending mock parcels through the post and gathering a comprehensive knowledge of the Royal Mail services package guidelines. The prototype radio was manufactured using 3D printed PLA to create the plastic body, whilst the bumper around it was CNC routed from a plank of oak. The entire thing is held together by a 3D printed skeleton on the inside of the body.





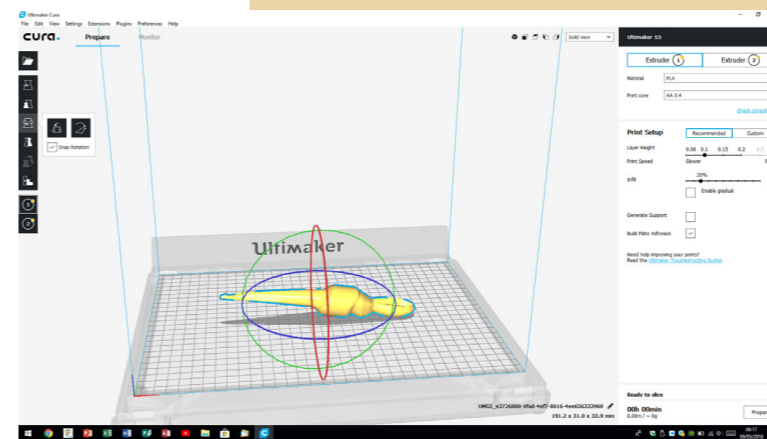
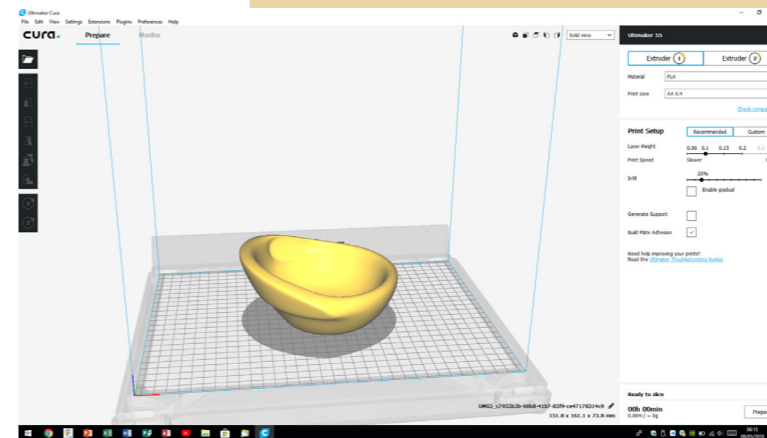
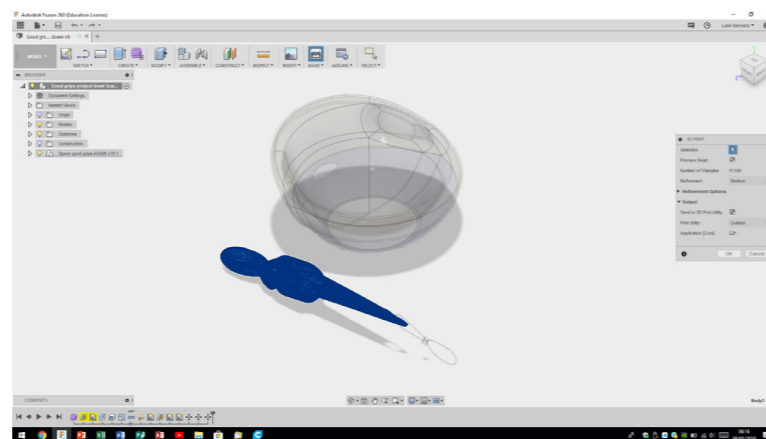
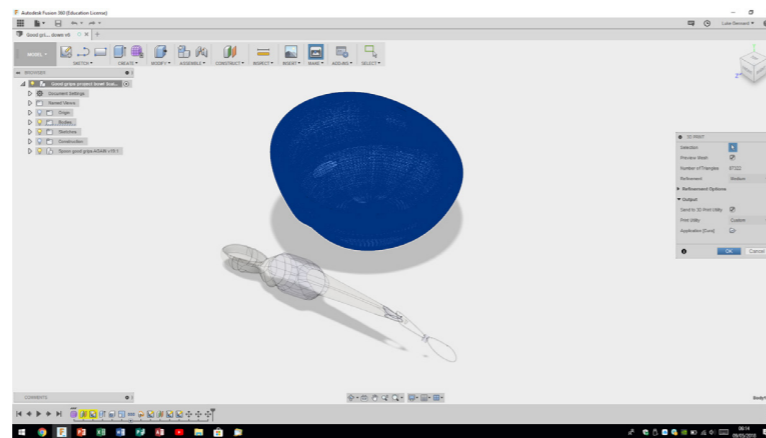
Good Grips

Designing an ergonomically considerate children's bowl and spoon which can be rapidly produced quickly and efficiently using modern 3D printing techniques.

Good Grips

2017

For this project, I created a bowl and spoon which are ergonomically considerate towards the needs of children between the age of 3 - 5 years old. The brief behind this project asked for specialised cutlery which takes into account anthropometric data to create something comfortable and easy to use. My pitch was a bowl and spoon designed especially for those young enough to feed themselves, but not yet old enough to have enhanced fine motor skills. Large grips, colourful elements and the ability to be produced from high impact plastics like PLA, ABS or even TPE, this design demonstrates the use of a modern 3D printing technology by being entirely 3D printable.





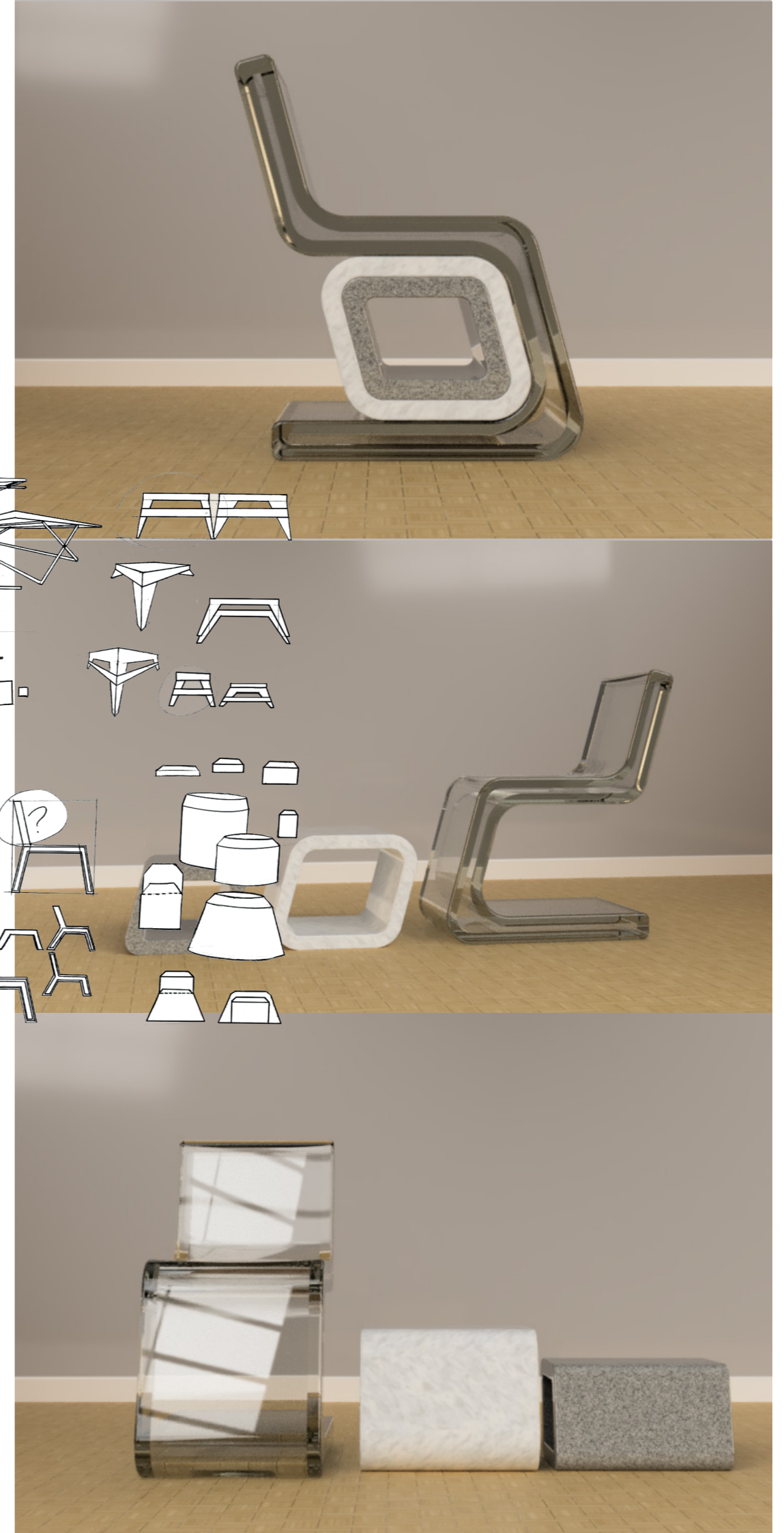
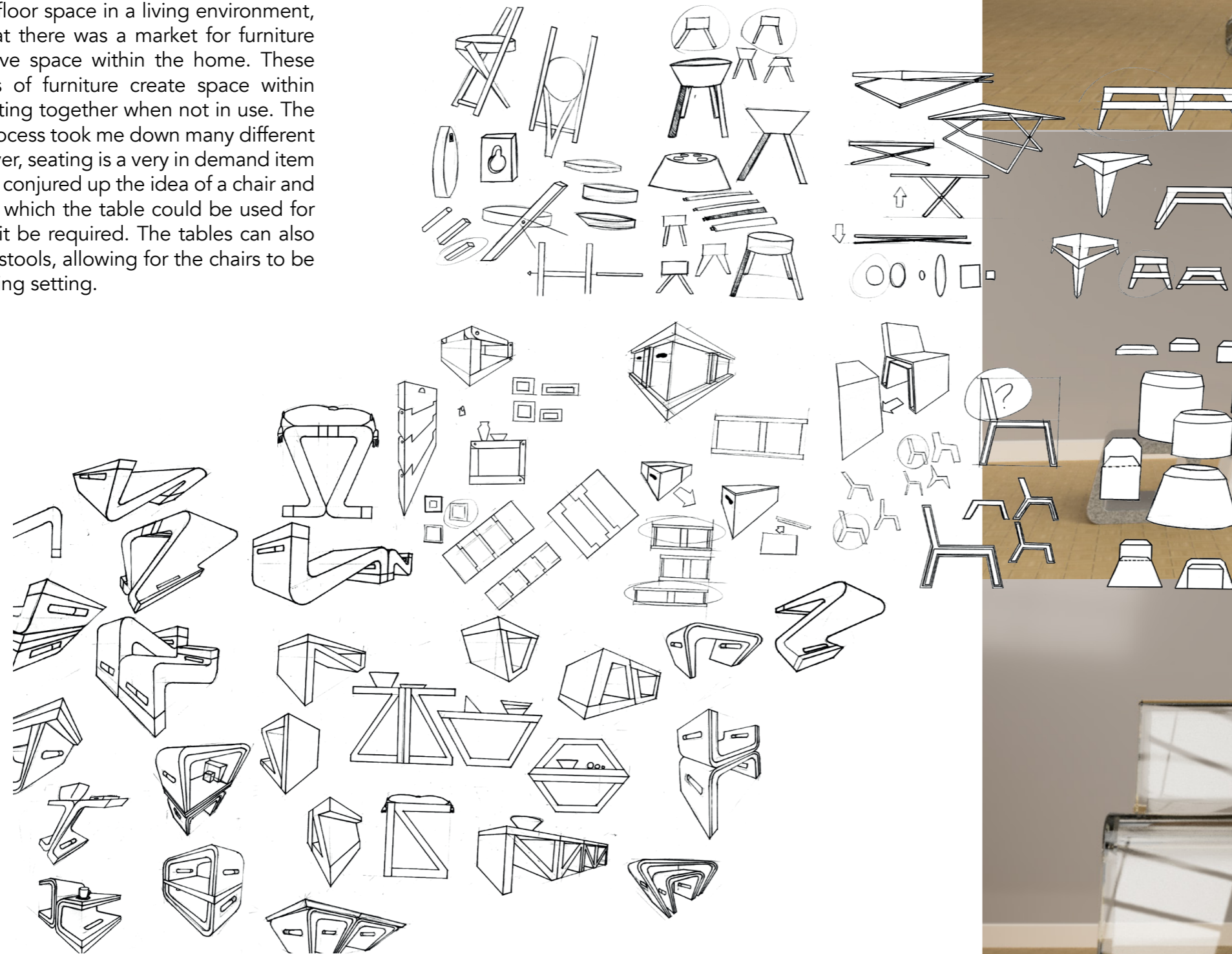
Seating Concept

Designing a conceptual seating solution to appeal to the rising market of homes with less floor space (modern micro-housing, smaller flats etc.)

Seating

2019

After a research paper I conducted into the size of the average floor space in a living environment, I concluded that there was a market for furniture designed to save space within the home. These versatile pieces of furniture create space within the home by fitting together when not in use. The initial design process took me down many different avenues, however, seating is a very in demand item of furniture, so I conjured up the idea of a chair and table combo in which the table could be used for seating should it be required. The tables can also be used as footstools, allowing for the chairs to be used in a lounging setting.





Ergonomic Kitchen

Designing a spatial solution that enables people of diverse generations and needs to prepare and eat food, entertain, engage in hobbies or work, and enjoy being together.

Kitchen

2019

The goal of this interior design is to create a special solution which will encourage socialising within the family unit, regardless of age. The modern kitchen is more than just a cooking space. The kitchen is more of a communal space. It is the heart and sole of the house. You will have children doing homework in there whilst dad cooks dinner and mum reads a book. My aim was to create a modern accessible kitchen in which the layout encourages and influences the social behaviour of the users to better accommodate for this new purpose. The accessibility part of the concept comes into play when you look into the product life cycle of the kitchen. With the aim of a kitchen to be a long lasting part of the home, the kitchen should also be designed to accommodate for the user as they age. Very quickly, dad cooking dinner and mum reading her book become grandpa reading his paper and grandma doing her knitting. For a kitchen to be truly ergonomic, it has to be able to develop at the same pace as its user. With considerations taken into place such as the height of the cabinets, the appliances used in the kitchen and the use form of the cabinetry, everything has been done to ensure that the space grows with the user.







The kitchen was designed around the idea that the layout of the space should encourage users to look from the outside into the centre of the kitchen and not the inside out (like most modern kitchen spaces). This philosophy came from a research project into Asian customs and table etiquette which I undertook prior to designing the space.