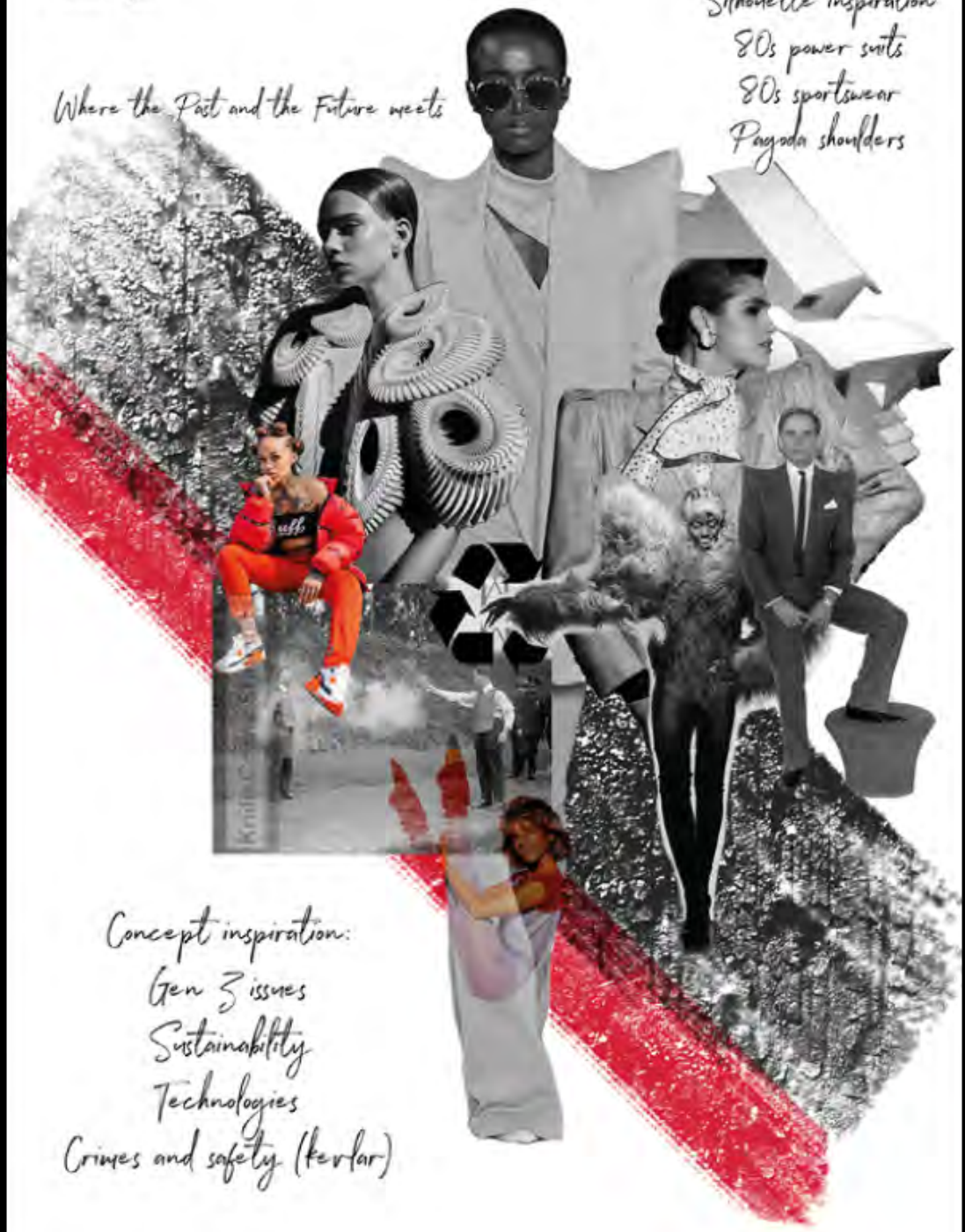
Concept

Where the Past and the Future meets

Silhouette inspiration
80s power suits
80s sportswear
Pagoda shoulders



Concept inspiration:
Gen Z issues
Sustainability
Technologies
Crimes and safety (kevlar)

ABSTRACT

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I am a bridge between two generations – millennials and Gen Z. Born and raised in Lithuania during the 90s, I had a chance to experience life without the influence of the internet, social media, and todays fast-moving new technology. However, even if I am not a true digital native, in today's world, technology affects my everyday life to the extent that, I must spread social and environmental awareness that my fellow Gen z colleagues are manifesting out loud. People like Greta Thunberg, who fights for climate change, or Faron Alex Paul fighting against stabbings in London; Faron is not a police officer, however, he assists the force in prevention. These two topics are something that I have had a personal connection with during my younger years and felt a strong link with. Taking inspiration from the 1980s power suits representing Millennials, and latest Gen Z sportswear, which have flourished through the current pandemic on social media. I combined bespoke tailoring with sportswear to build a solid protective body for jackets but also used technical materials, such as stab proof Kevlar for canvases. Crucially, I am referencing the digital age through 3D printing technology, having created 3D fabrics in my collection.


ROCK
THRIL


JA
C

Fingl Look 2

Colour and fabrics board

Silhouette and colour inspired by 80s


Kevlar canvas

Analysis of Generation Z formed my materials choice and following experimentations with Kevlar, 3D printing. It also shows that sportswear is favored by todays youth, which is used not only for exercise but also as self-expression tool.

Reasearch of Gen Z biggest issues inspired me to experiment with Kevlar material and see if I could apply it into bespoke tailored jackets. On the left picture I marked where I could place Kevlar panels in bomber jacket.

Kevlar canvas composition (bespoke tailoring processes)

Knife crime in England

44292

offences recorded in England to December'20. This is down from 48,767 (-10%) in December'19.

11459

offences recorded in London down from 14586 in 2019, a drop of 21%. However London remains the highest volume crime locality in England

6450

offences recorded in the West Midlands (down 5% compared to the previous year), the second highest volume knife crime locality in England.

Knife crime

9

percent decrease in knife crime in England and Wales on the previous 12 months to December 2020. Knife crime has now fallen for 3 quarters in a row.

46015

Police-recorded offences involving a knife or sharp instrument in the 12 months to December 2020

71

percent increase in knife crime in England and Wales since 2014 (comparing the 12 months from December'14, to March'14). While recent trends show that Knife Crime is decreasing it still remains at a historically high level.

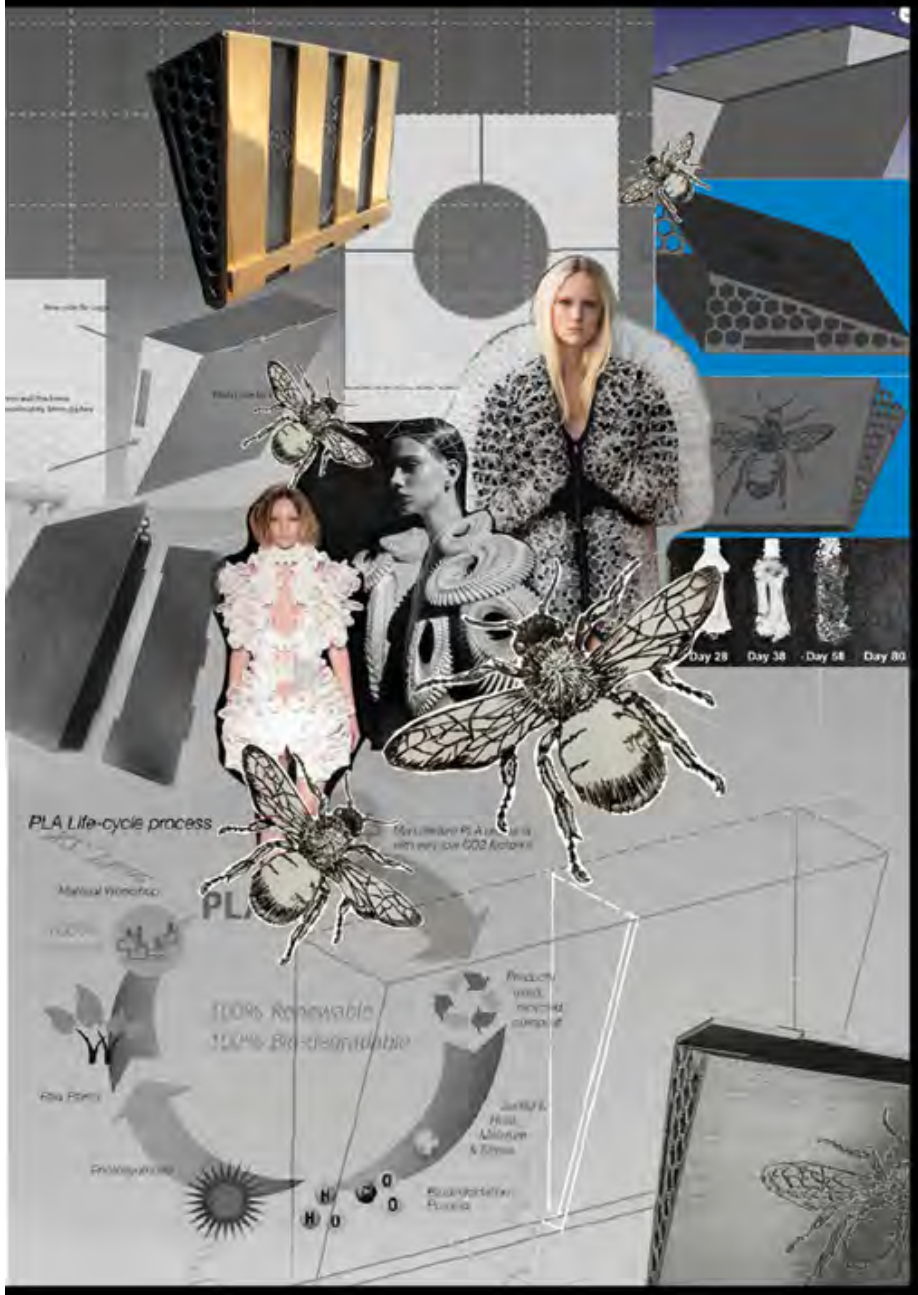
Knife murders

237

Police-recorded murders involving a knife or sharp instrument in the 12 months to December 2020.

24

children aged just 17 or younger were murdered with a knife or sharp object in 2019. This represents the highest number of children murdered in over a decade.



Further research of possible materials for the collection

Using CAD I designed geometrical belt bag. In the process both padding, and pocketing operations were done symmetrically across the x-axis to allow a more efficient scheme whist being designed.

Hand sketch of wasp initially drawn by hand and then transferred into a dxf model then cut out as a pocket feature in the front area of the bag.

Using the same methods used previously, I was able to take a 2D drawing and pocket honey comb profile onto a surface of a part, in this case I have chosen to do this on each side of the part with a hex profile.

Process of PLA decomposition

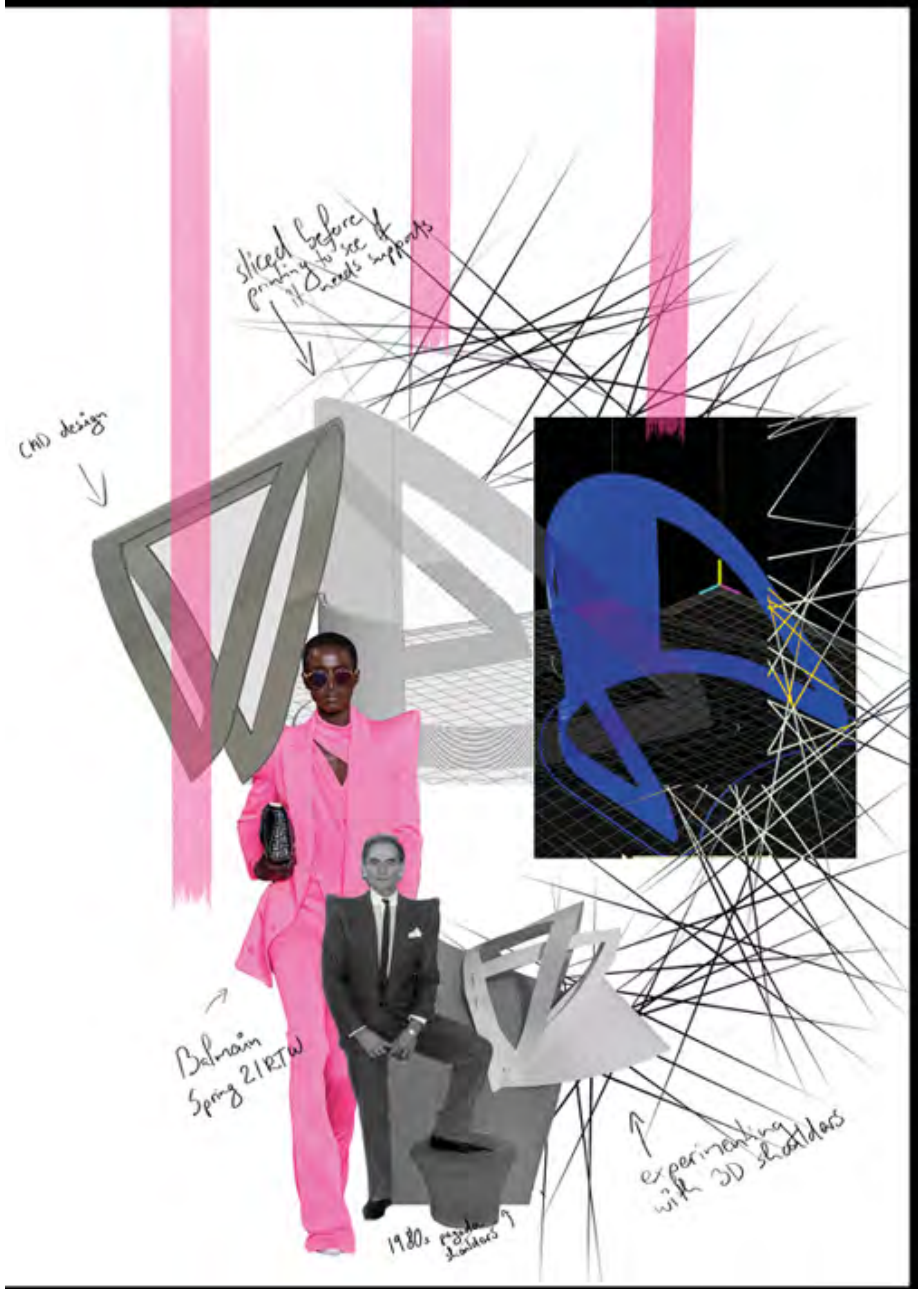
In the background you can see CAD diagrams of the belt bag design.
It was first time I used 3D printing programs, so tried to keep design very simple. The purpose was to explore 3D printing abilities and how materials behave.

After all belt bag pieces were printed out, I attached top lid to the body using 0.8mm stainless steel MiG wire to create a hinge mechanism.

Same method I used to attach brass plates to the top lid to create an opening, which were cut to size and polished by hand.

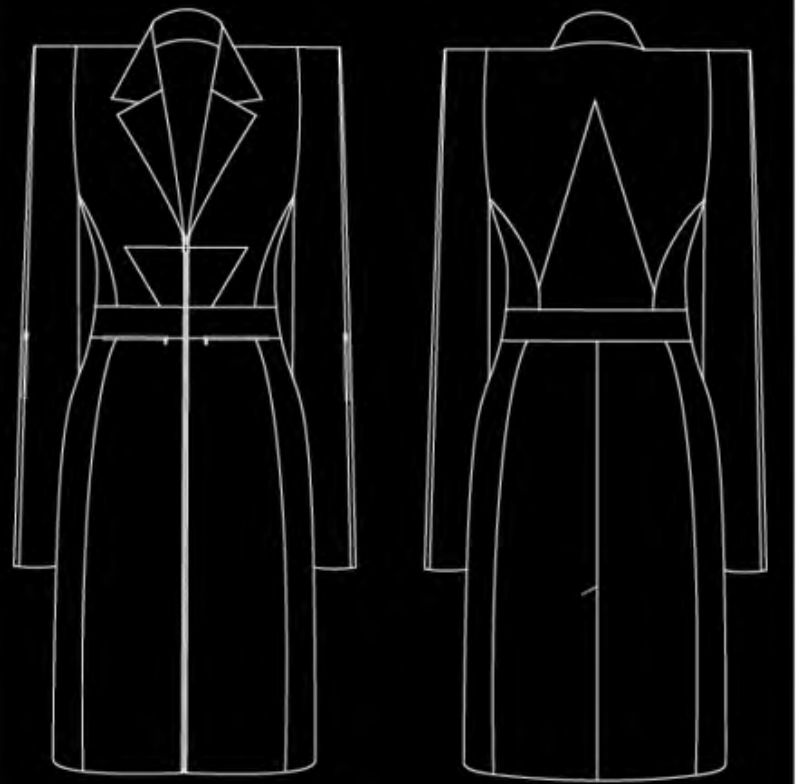
Origins of the collection

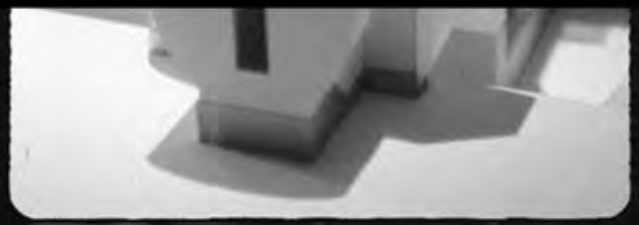
During summer break I had a design brief for creating an object using a non-fashion material and most importantly sustainable in nature. In my research and design phase, I came up with the belt bag, and the choice of a 3d printable material, further research showed this being at the cutting edge of technology, and so I was set on creating a sustainable 3d printed object.
I had created the belt bag from a material called PLA, this is known as polylactic acid, it is obtained from renewable and natural raw materials such as corn.
From this idea I started to analyse the needs and values of todays youth and subsequently decide to focus on Gen Z.



House in Yokohama inspired me to experiment with unusual geometrical shapes for shoulder pads which I printed using biodegradable PLA material.

Experiments with jacket sleeves, wanted to make jackets sleeves geometrical and experiments with circular, triangular shapes.





House in Yokohama

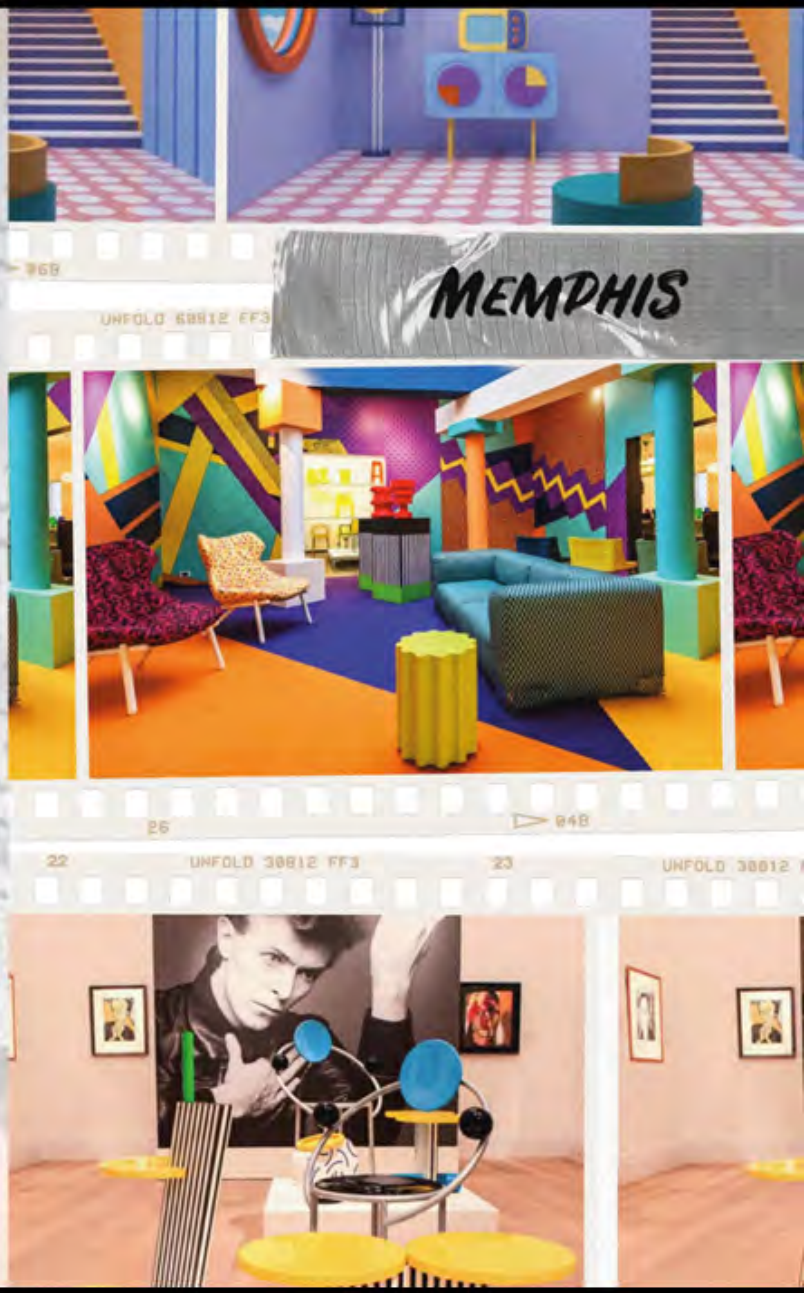
Vidhan Bhavan State Assembly

Nelson Fine Arts Center in Phoenix

1980's Architecture

To get inspiration for my collectuon silhouette and shape I analysed 1980s geometrical architecture.

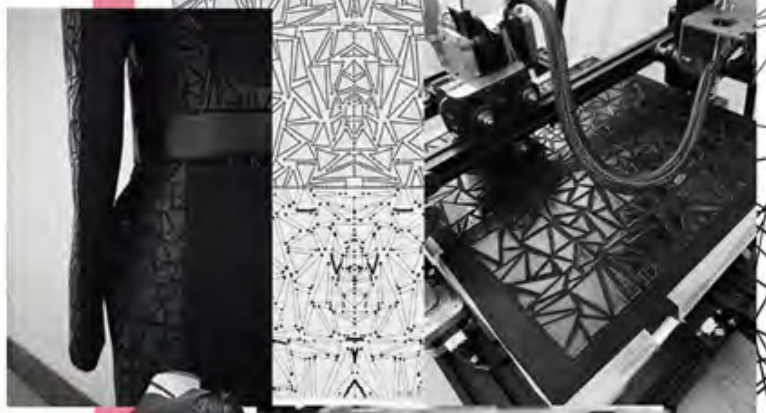
1980's Interior

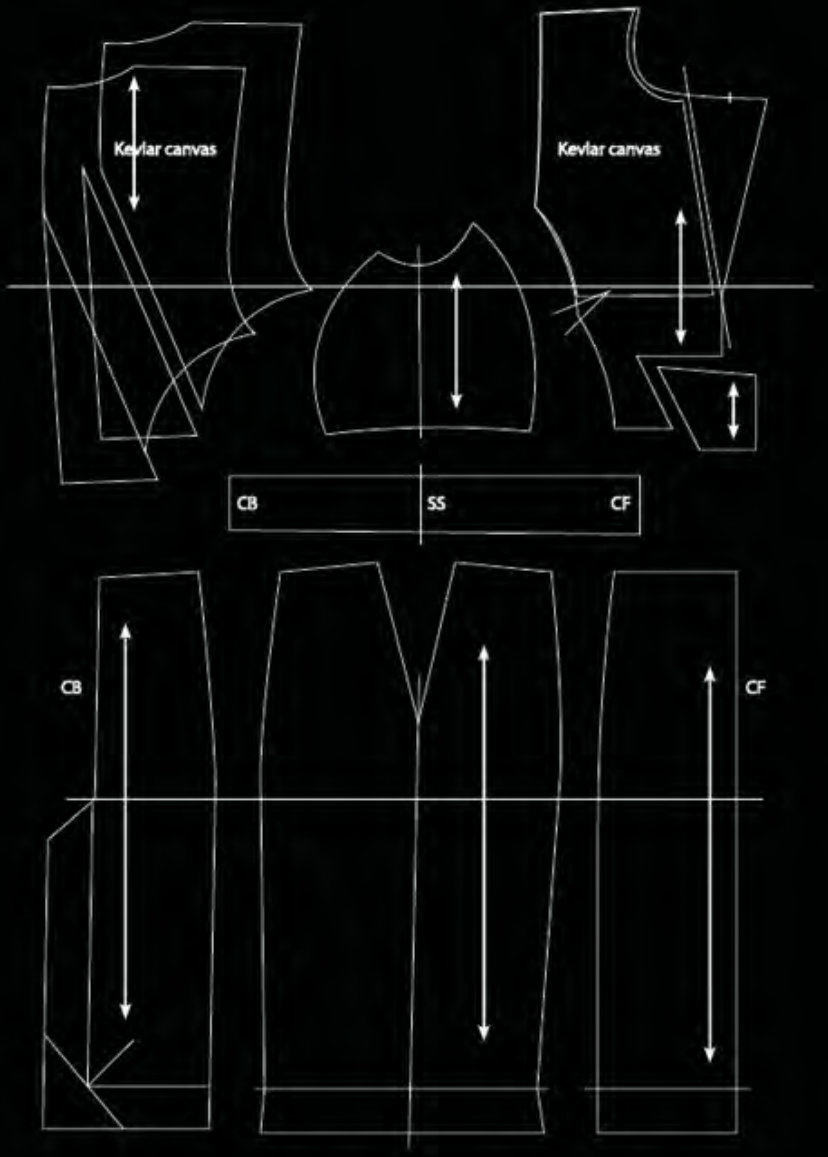


Possible design for the final look after attaching triangles pattern on to the skirt.

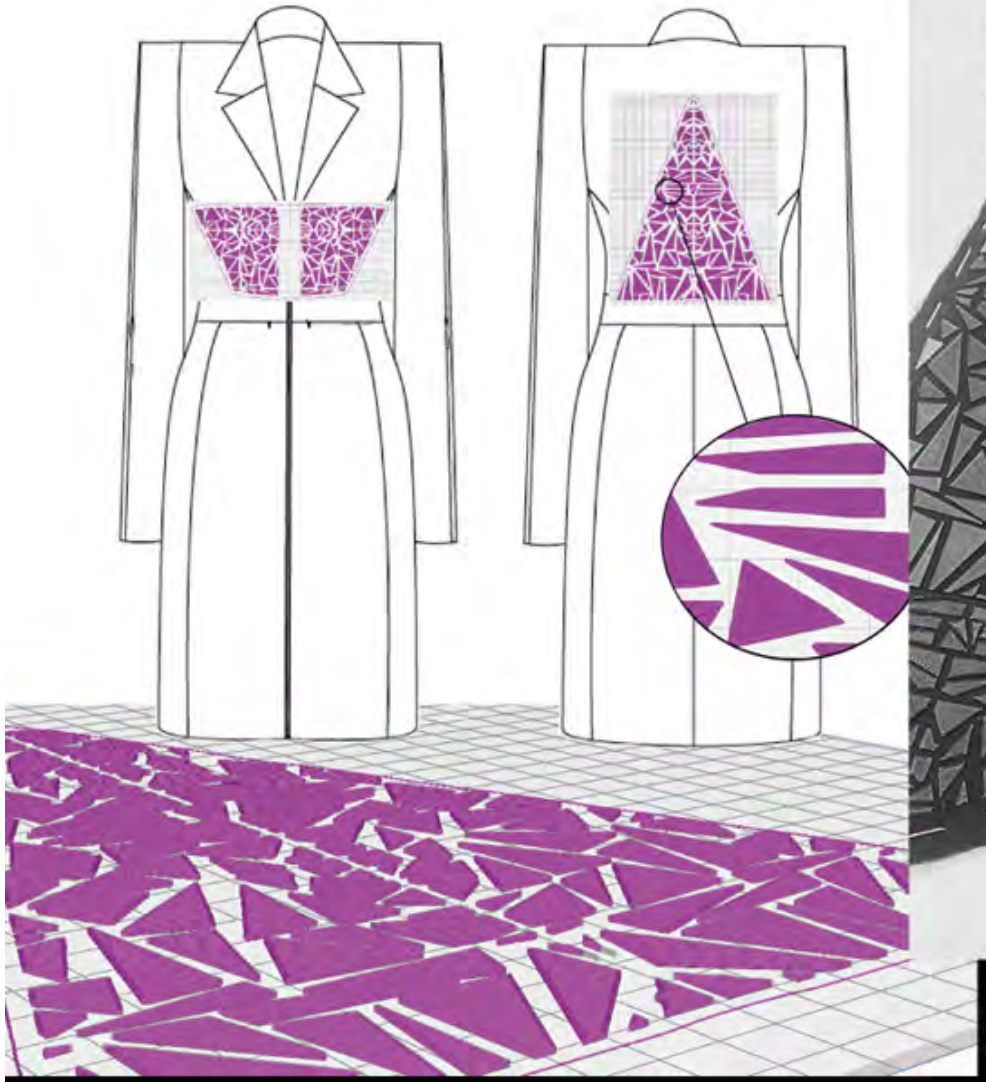

Geometry in nature
80s Memphis Ettore Sottsass
Delaunay Triangles used for figure prints ?
Triangles Memphis pattern

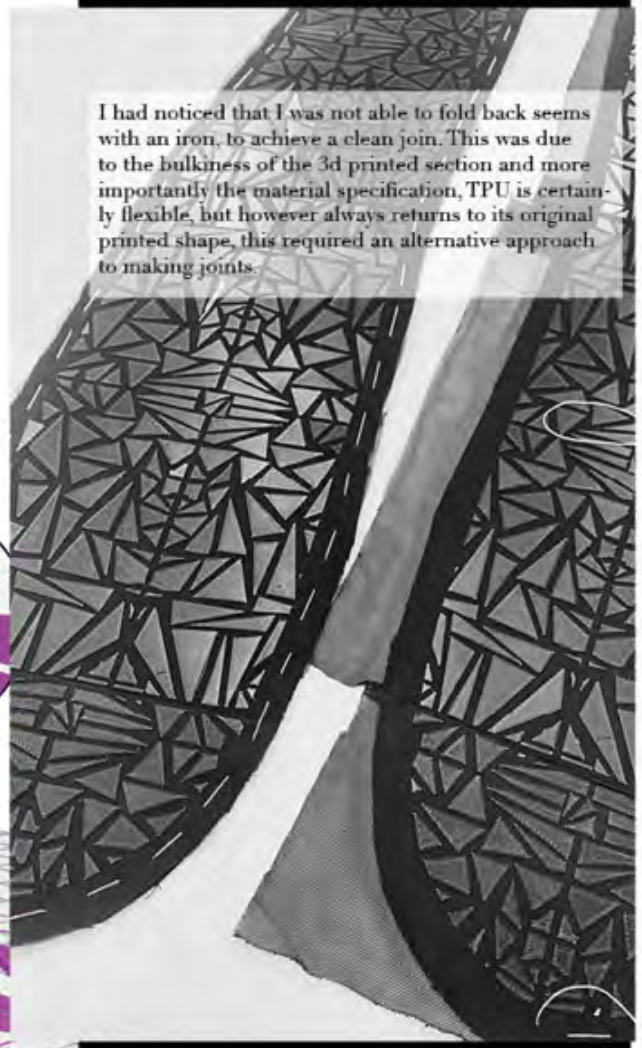
3D printing process and technical flats





Designing 3D panels on CAD





I had noticed that I was not able to fold back seems with an iron, to achieve a clean join. This was due to the bulkiness of the 3d printed section and more importantly the material specification, TPU is certainly flexible, but however always returns to its original printed shape, this required an alternative approach to making joints.

It's 80s babe

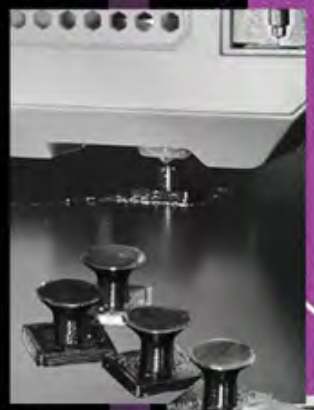
From left: Casablanca, Dolce & Gabbana, Wooyoungmi, Etro, Lanvin, E Tautz, Ermenegildo Zegna

Neon

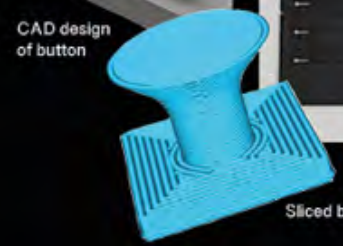
From left: Dsquared2, Balmain, Dior, Hermès, Homme Plissé Issey Miyake

Bomber jacket toile - sportswear trend mixed with tailoring.

After experimenting with printed panels, I decide to make additional items that make the garment function by opening and closing.
I designed CAD buttons and cuffs for the bomber jacket, which was printed using PLA.



Printed buttons



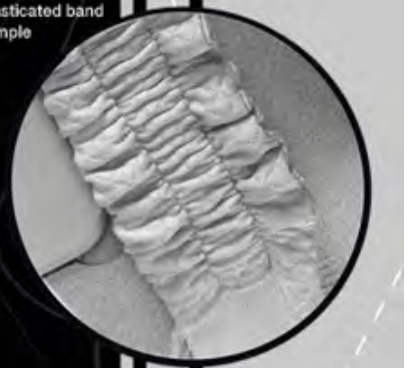
CAD design of button

Sliced cuff view

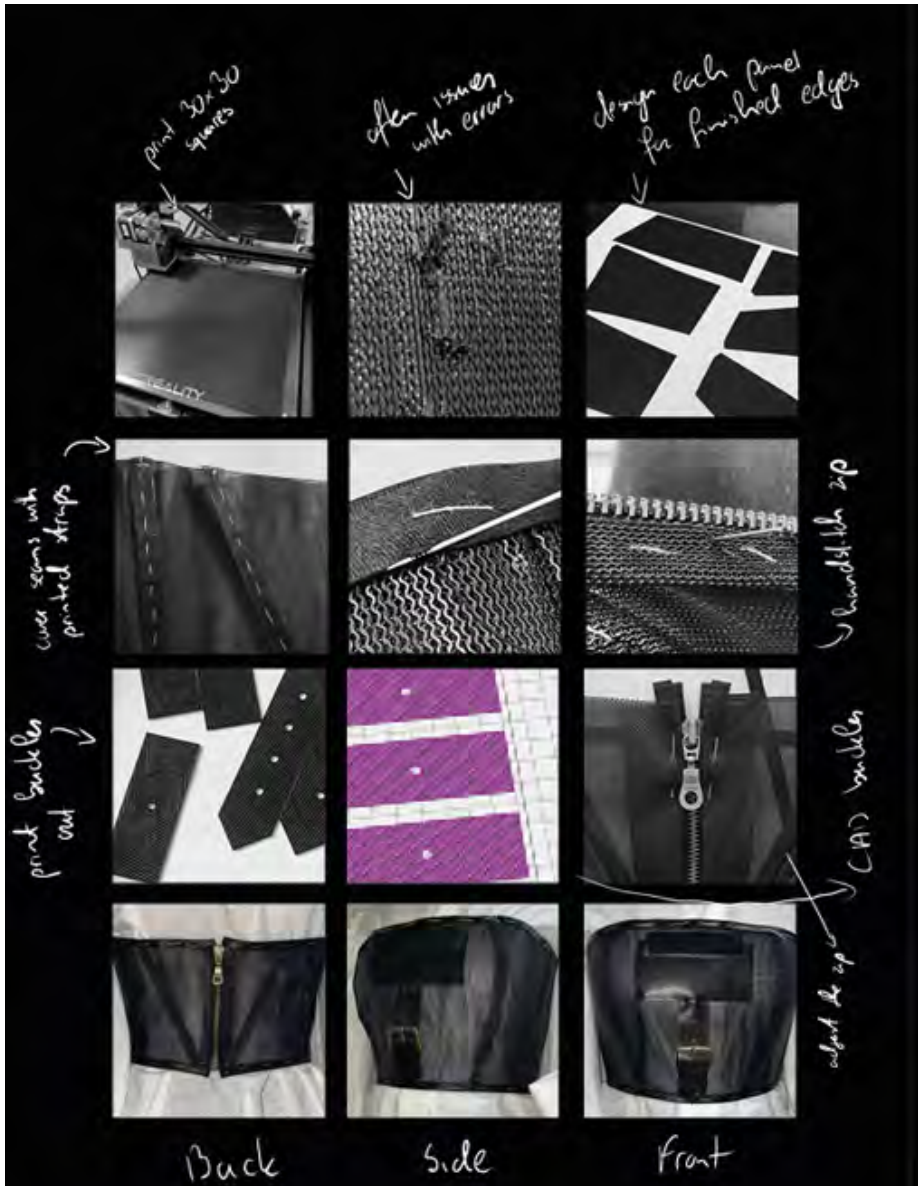
Sliced button view

Different density cuffs samples

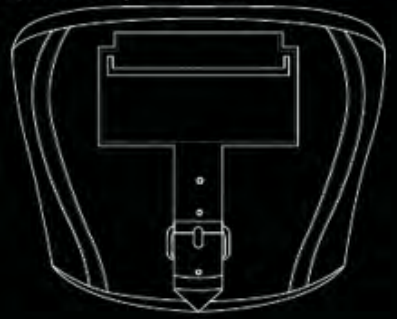
Elasticated band sample

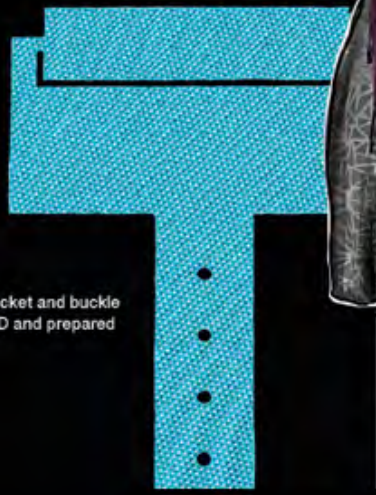


3D printed button for cuffs



Because of my customer target I decide to experiment with Gen Z trends and make a corset that would have a pocket at the front and a buckle. I think that could be a piece that can be worn with many outfits, such as over shirt, t-shirt or a dress, or on its own. Trend research shows that Gen Z youth likes to experiment with different pieces and layer their clothes.





Corset panels, front pocket and buckle straps designer on CAD and prepared for printing.

The fabric of the skirt consists of triangles, where I wanted to retain spaces in between the triangles, I experimented using tulle fabric sandwiched in-between printed TPU. This required many alterations to create an acceptable finish and making sure that the two materials were fused together.

Final Look 1