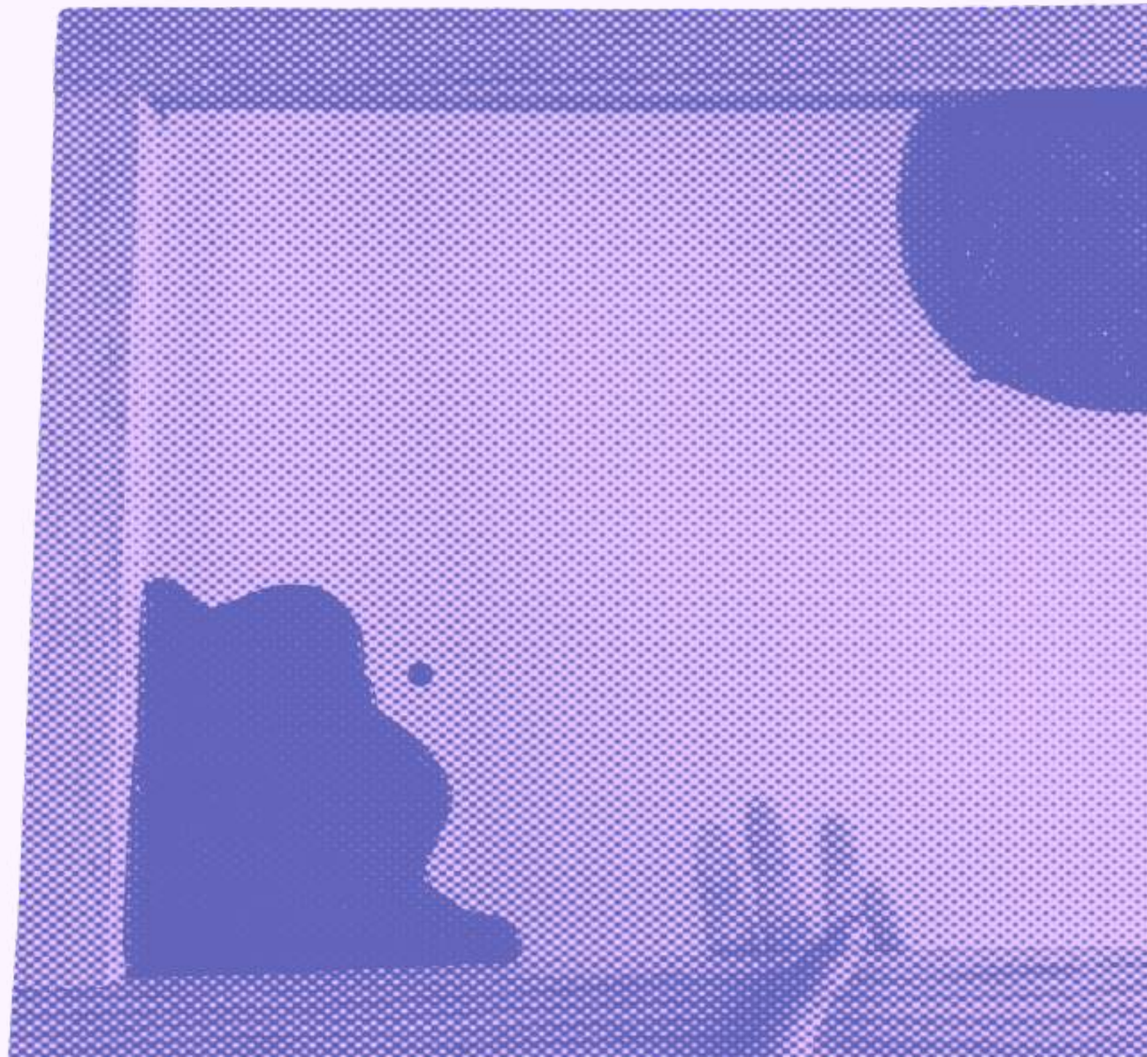
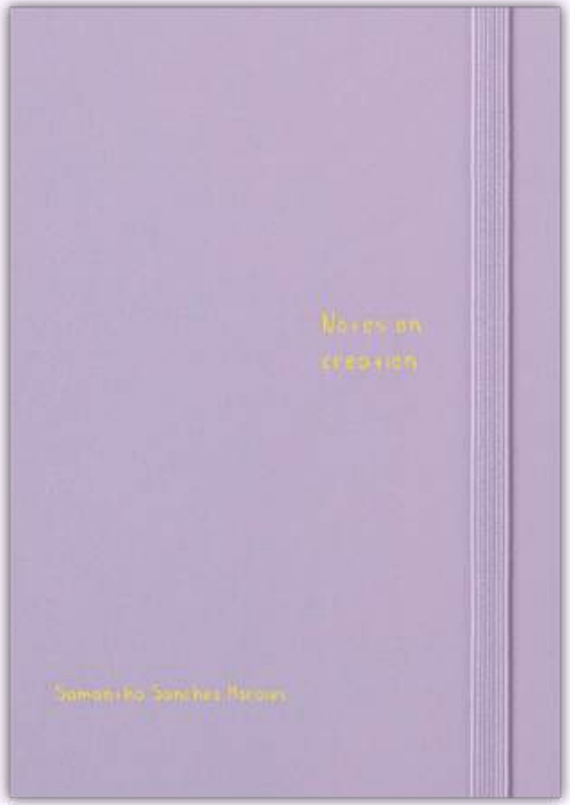
NOTES ON CREATION

SAMANTHA
SÁNCHEZ

FABRICADEMY
textile and technology academy



The project consists of the development of a field journal with my experimental and reflective process of using bio-materials with the goal of making jewlery with these.



I am designing from my own experience, values, and current stage as a designer in formation.

It is not a step-by-step manual, but rather a starting guide for those who may need it

PROCESS

Material	sourced locally/nationally	biodegradable	foodwaste
glycerine	yes	yes	
agar	yes	yes	
gelatine	yes	yes	yes
eggshell	yes	yes	yes
xanthan gum	yes	yes	
red ochre pigment	yes	yes	
clay	yes	yes	
calcium aglinate	no	yes	

EGGSHELL POWDER + XANTHAN GUM

EGGSHELL POWDER + GELATIN

EGGSHELL POWDER + SODIUM ALGINATE

BIO LEATHER WITH RED OCHRE PIGMENT

BIO LEATHER WITH CLAY

BIO RESIN

BIO RESIN WITH AGAR

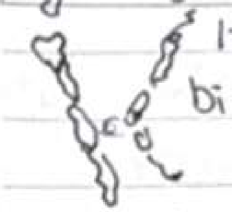
BIO RESIN WITH EGGSHELL POWDER

BIO RESIN WITH HIBISCUS FLOWER DYE

Xanthan: la mezcla más líquida de todos a la hora de preparar, sería fácil de vertir en un molde, es la que más tarda en secar pero

fob material	secado	textura	vertir en molde
Xan	48 h ~~[illegible]~~ ~~del todos!~~	rígida y áspera ~~[illegible]~~	Después de prepararla es la mezcla más "líquida" y por ende la más fácil de vertir en moldes que se adapte
glen	5 h	rígida y áspera	Se seca casi al instante de hacerla tendrías que vertirla en el molde ~~luego~~ luego.
sodio	~~#~~ 48h	rígida y áspera, se craquela durante ~~con el contacto~~ ~~con~~ el secado.	~~A~~ la mezcla resulta en una tipo masa/plastilina es fácil de manipular y meter en molde pero difícil que tome todos los detalles de este.

2023 Bioresina



Hoy tocó experimentar con bio resina, este es uno de los materiales que más me emociona por su potencial y por lo que yo ~~me~~ ~~imagino~~ que puedo hacer con él

Mi receta base ~~[illegible]~~ fue la receta de Loes Bogers en su página de fabricademy, como por ahora estoy haciendo pruebas reducí las cantidades que daba con una regla de 3, y lo modifiqué levemente porque así es experimentar.

* Poner receta con instrucciones *

10 g de grenetina
2 g glicerina
70 ml agua

Experimenté con varias combinaciones, una la receta original, otra le añadí un dye bath de ~~glicerina~~ jamaica con glicerina vegetal, una con receta original + 10 g de cáscara de h. en polvo y por último ⇒ que esta curiosamente fue la versión que se gelificó más rápido ⇒ a la consistencia deseada

✓ agar agar + glicerina vegetal, esta se gelificó muy rápido y perdió su cualidad líquida en instantes,

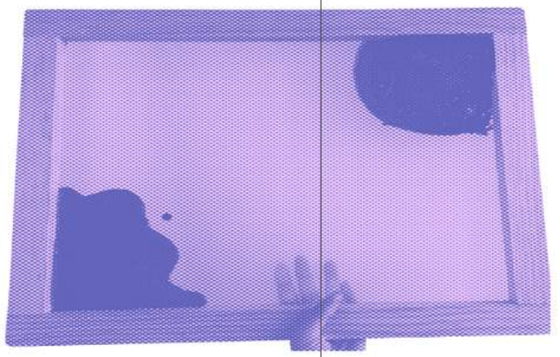
Notes on creation

Samantha Sanchez Morales

Intro

The origin of this project stems from my conviction that we can change our patterns of consumption and the ways we create. Experimenting with alternative materials that can degrade and leave no residue is my response to an ongoing search for solutions to this issue. I wanted to combine this principle with one of my longest and strongest fascinations: jewelry. As long as I can remember, I have loved wearing these accessories; I would even say they are my favorite objects. However, my concern regarding the materials and production methods used to create them has grown over time. Through this project, I aim to intersect these two interests and begin constructing my voice as a designer, one that is closely tied to my increasing social and consumer awareness.

This field journal is part of my commitment to responsible creation and to sharing the ideas I developed throughout my experimentation and creative process, with the hope that it may serve as inspiration for others to pursue projects of this nature. It is my small contribution to a movement that has been unfolding for years. In many ways, this journal is the guide I wish I had before starting this project, and I am certain it will serve as a foundation for my future ideas, this is only the beginning.



'Maybe the real treasure was the friends we made along the way'

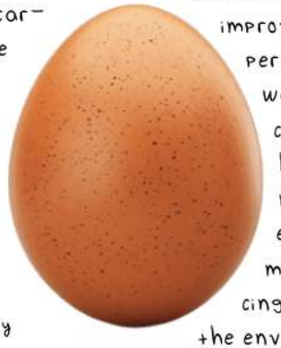
This internet phrase kept playing in my head while i was writing this page, it definetly sums up what im trying to say with this project. It's not only about the final object, but about the process that led to it.

2 weeks, 37 eggs, 18 breakfasts are 300g of eggshell powder and the base of a material i experimented with.

I didn't know this was possible until i crossed paths with Alicia's instagram. Alicia Valdes (@_aliciavaldesselbach_) is a designer specialized in material & waste research, in one of her posts she explains the design process and material creation behind her jewlery brand based on mainly eggshell powder. It opened up my perspective and, honestly, became one of the main sources of inspiration for this project. I came to understand the importance of being open about your process, as it can serve as a foundation for someone else's inspiration and contribute to collective knowledge.

Why eggs?

Eggshells are a very abundant organic waste, discarded on a large scale by both the food industry and households. Using them gives new life to something that would otherwise be thrown away. They are rich in calcium carbonate (95-98% of their composition), which provides a natural mineral load that contributes structural support. In short, their use improves the mechanical properties of the object, reduces waste, and reinforces a circular approach.



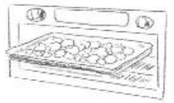
By circular approach i mean designing with the entire life of an object in mind, from material sourcing to its reintegration into the enviroment.

To disinfect the eggshell and obtain homogeneous mixtures for experimentation, it is necessary to turn the shell into a fine powder.

Eggshell powder recipie:

1. Collect eggshells from any places you can (your home, neighbors, or cafes).

2. Wash them with water & soap.
3. Strain them.
4. Spread them out on a tray, and place them in the oven at 100 celsius for 15 minutes.



5. Grind them in a blender or food processor until you obtain a fine powder.

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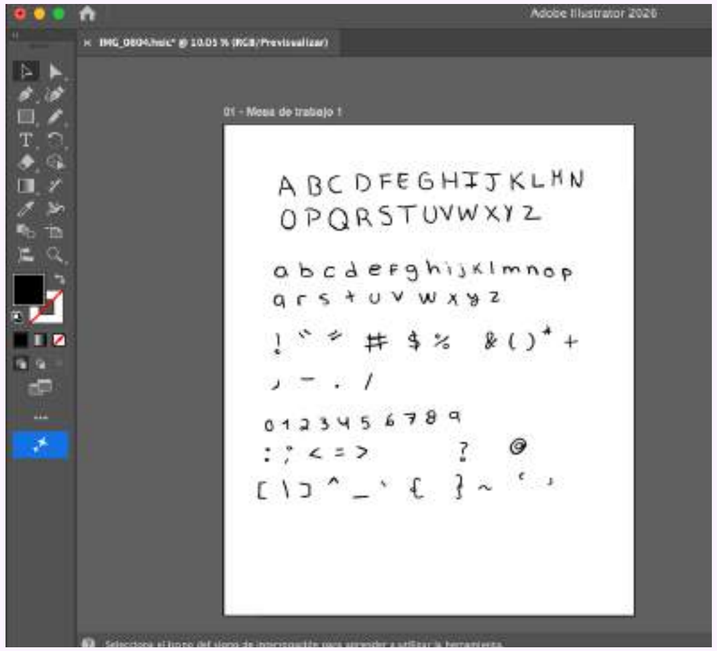
ABOUT THE JOURNAL

EDITORIAL DESIGN

For an easier and pleasant read

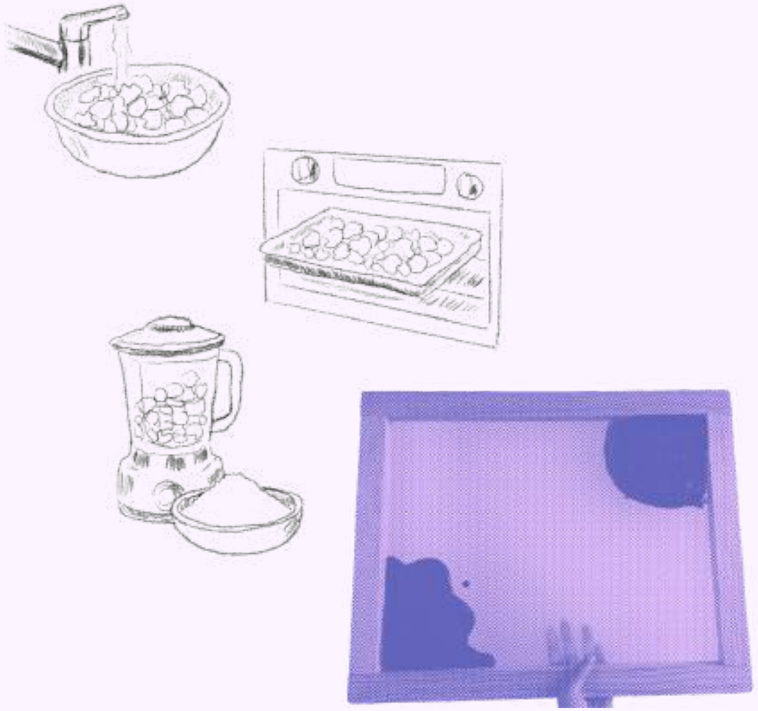
MY OWN HANDWRITING AS A TYPOGRAPHY

To make It more personal



ILLUSTRATIONS & PICTURES

made by me or public domain



JOURNAL STRUCTURE

first part

Material observation & creation

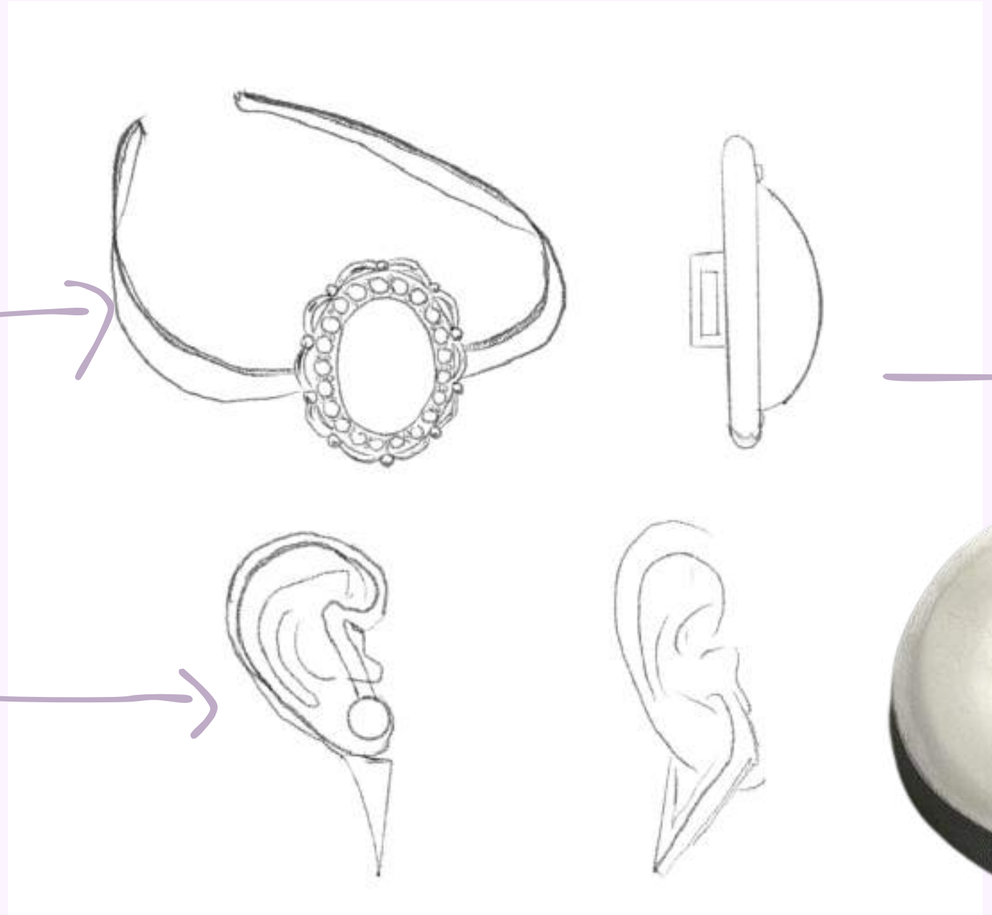
second part

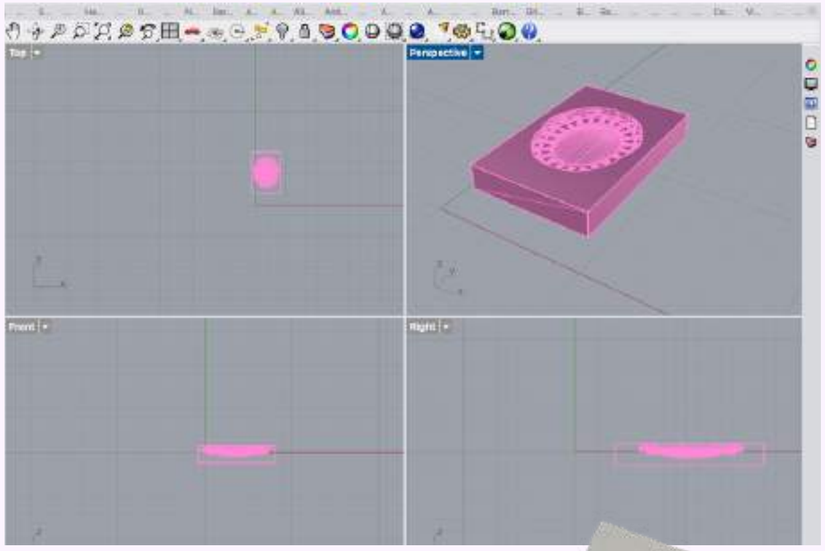
jewlery design, creative process and production

third part

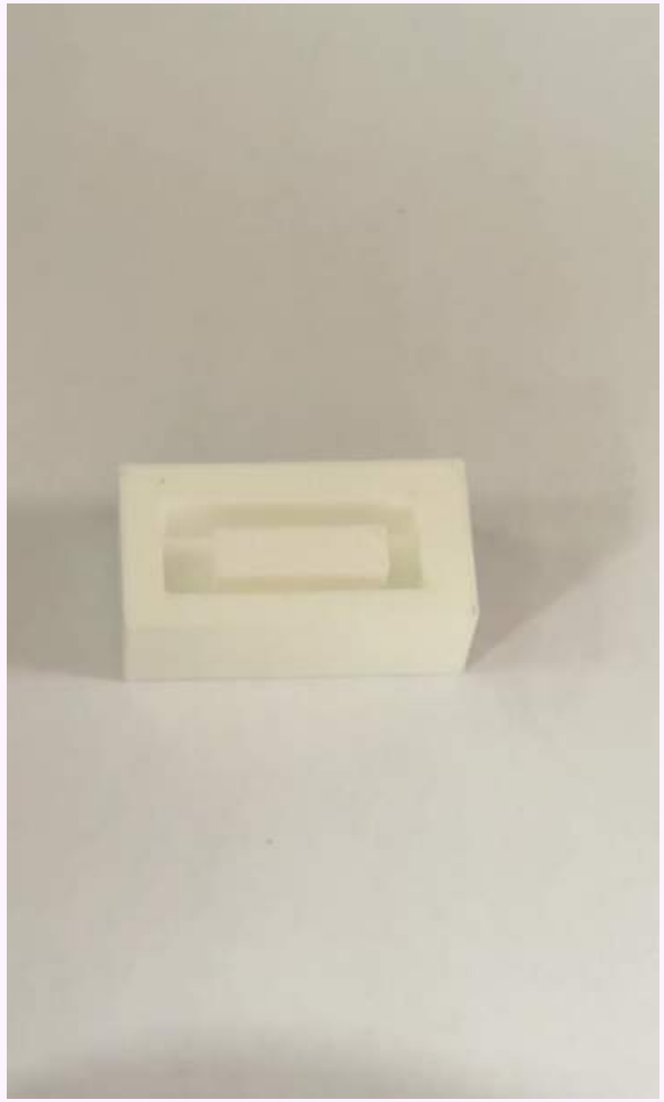
Observations on how it feels to wear and experience pieces made with this type of material.

JEWLERY



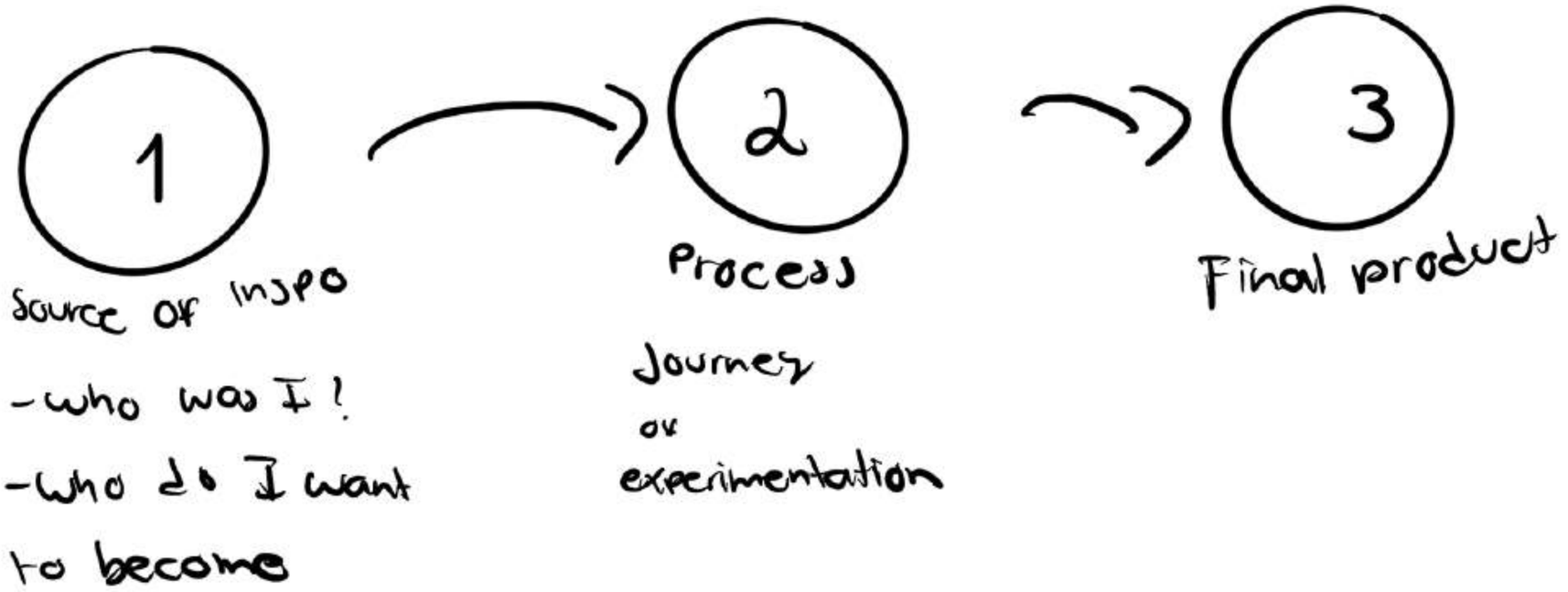


3d printed (TPU)



1ST TRY

The wood filler stuck to the biomaterial piece


1
2
3
Source of inspo
-who was I!
-who do I want
to become
Process
Journey
or
experimentation
Final product

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