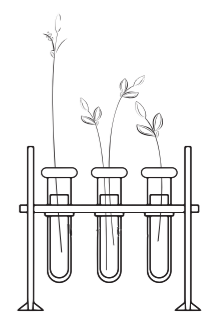


AVŌ

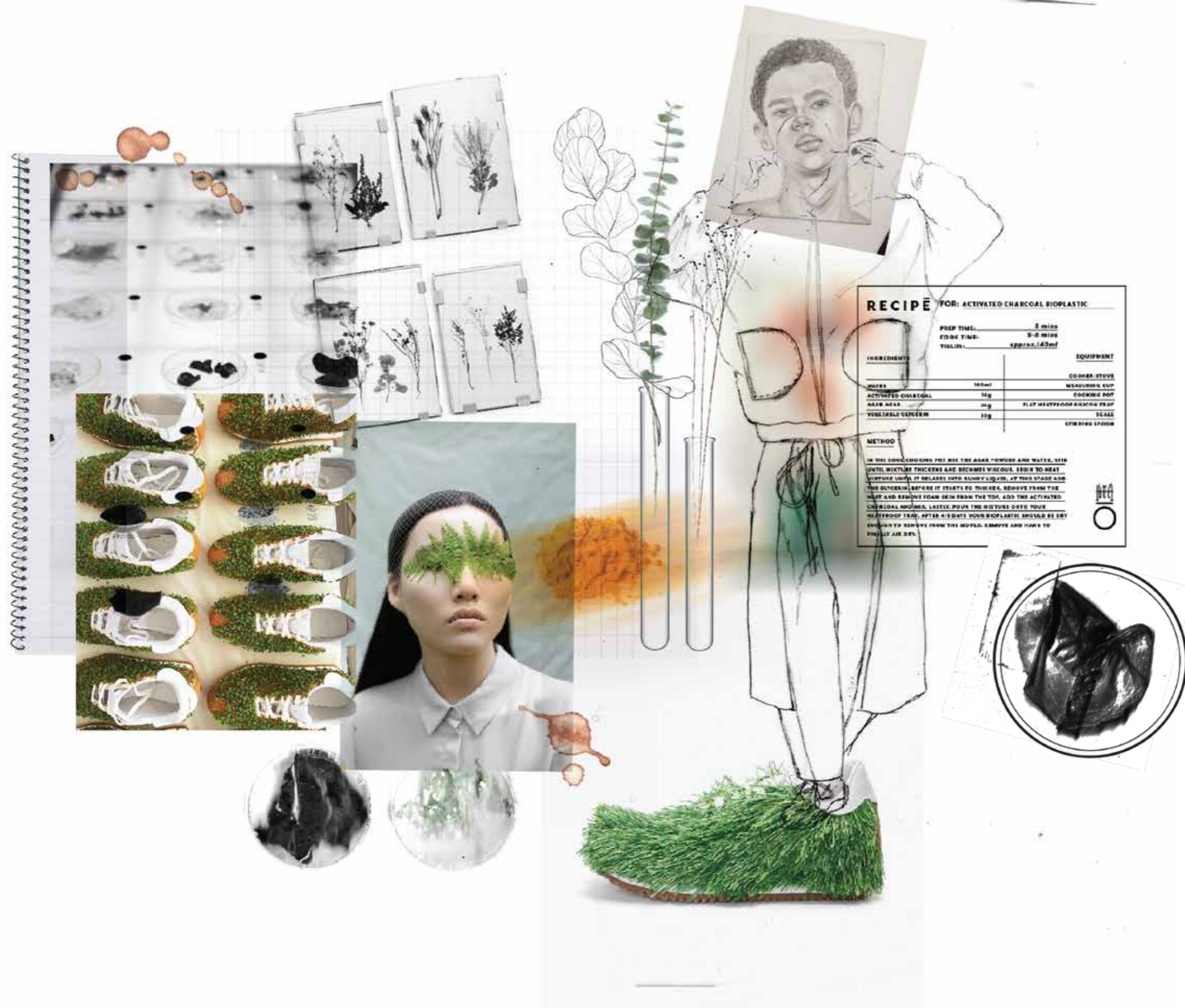
PHYGITAL STUDIO

SERIES 1

BIOPHILIC DESIGN EXPERIMENT



SIMONE JAMES
MANCHESTER METROPOLITAN UNIVERSITY
MANCHESTER FASHION INSTITUTE



MENS SS24 COLLECTION //
CONNECTING THE VIRTUAL AND PHYSICAL WORLD

APPRECIATION FOR ENVIRONMENT AND UNDER-
STANDING OF NATURE CONSERVATION AND PRESER-
VATION.

ONLINE AND OFFLINE PRESENCE
INTERESTED IN ALTERNATIVE/ UNCONVENTIONAL
CONCEPTUAL FASHION

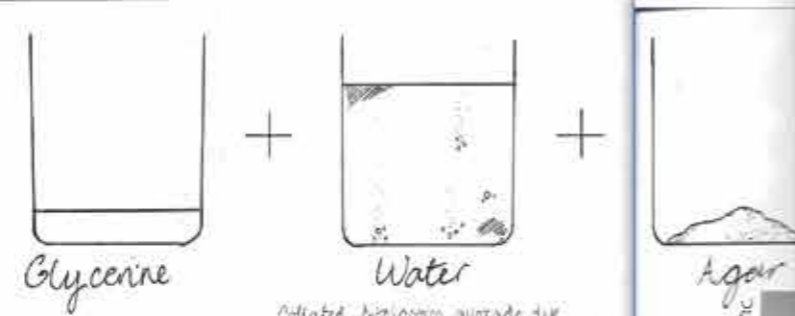
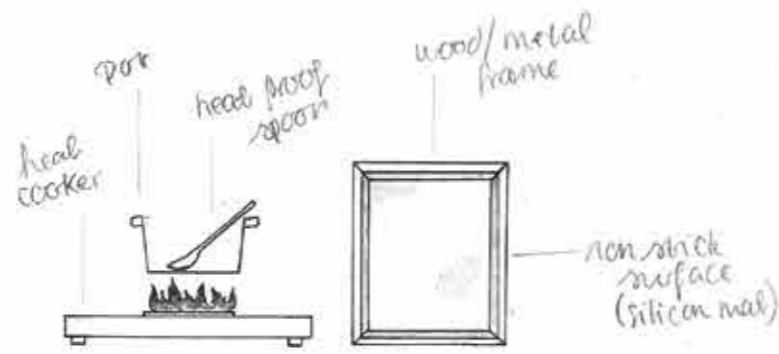


VIRTUAL FASHION MARKET/ GAME PLATFORMS
METAVERSE FASHION WEEK
DIGITAL TWIN
NFT AUTHENTICITY

BIOMATERIAL / DYEING DEVELOPMENT

EXPERIMENTING WITH SURFACE TEXTURE

PRODUCING RECIPIES FOR BIOMATERIALS



Pour bioplastic solution into frame/mould to dry.



RECIPE FOR ACTIVATED CHARCOAL BIOPLASTIC

PREP TIME: 5 mins
 COOK TIME: 5-8 mins
 YIELDS: approx. 140ml

INGREDIENTS		EQUIPMENT	
WATER	100ml	COOKER/STOVE	
ACTIVATED CHARCOAL	18g	MEASURING CUP	
AGAR-AGAR	28g	COOKING POT	
VEGETABLE GLYCERIN	10g	FLAT HEATPROOF SILICON TRAY	
		SCALE	
		STIRRING SPOON	

METHOD

IN THE BOIL COOKING POT MIX THE AGAR POWDER AND WATER, STIR UNTIL MIXTURE THICKENS AND BECOMES VISCOUS. BEGIN TO HEAT MIXTURE UNTIL IT RELAXES INTO A RUNNY LIQUID. AT THIS STAGE ADD THE GLYCERIN BEFORE IT STARTS TO CURDLE. REMOVE FROM THE HEAT AND REMOVE FOAM SKIN FROM TOP. ADD THE ACTIVATED CHARCOAL AND MIX. LASTLY POUR THE MIXTURE ONTO YOUR HEATPROOF TRAY. AFTER 4-5 DAYS YOUR BIOPLASTIC SHOULD BE DRY ENOUGH TO REMOVE FROM THE MOULD. REMOVE AND HAVE FUN!

RECIPE FOR TURMERIC DYE

PREP TIME: 5 mins
 COOK TIME: 30 mins
 YIELDS: FABRIC, 200ml

INGREDIENTS		EQUIPMENT	
WATER	200ml	COOKER/STOVE	
TURMERIC POWDER	10g	MEASURING CUP	
VEGETABLE GLYCERIN	10g	COOKING POT	
ACTIVATED CHARCOAL	10g	FLAT HEATPROOF SILICON TRAY	
		SCALE	
		STIRRING SPOON	

METHOD

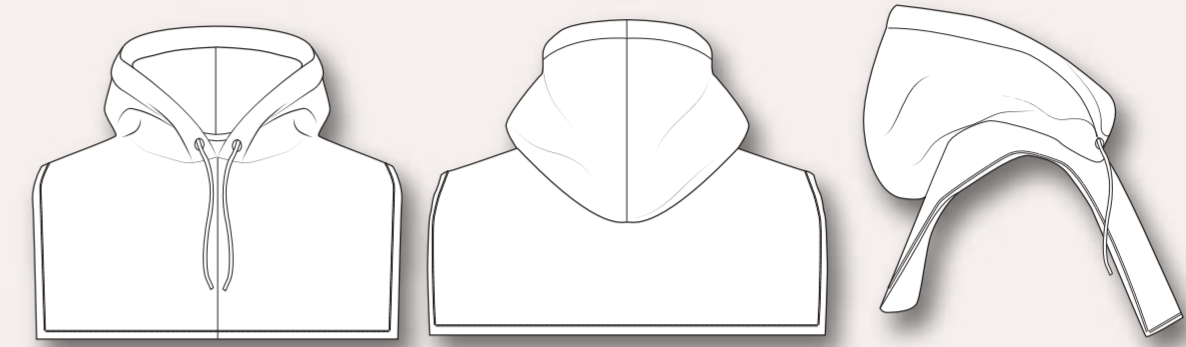
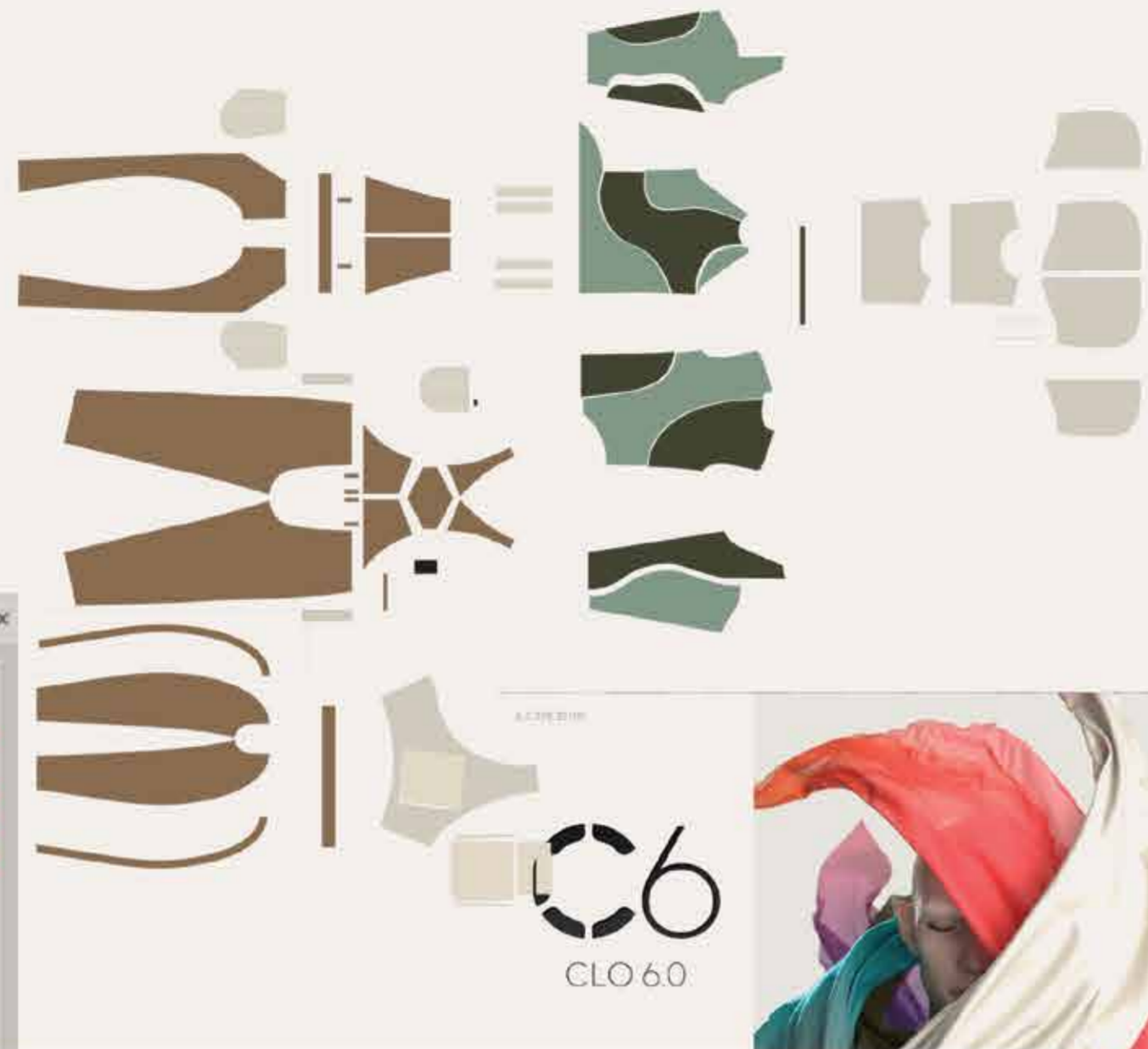
IN THE BOIL COOKING POT MIX THE TURMERIC POWDER AND WATER, STIR UNTIL MIXTURE THICKENS AND BECOMES VISCOUS. BEGIN TO HEAT MIXTURE UNTIL IT RELAXES INTO A RUNNY LIQUID. AT THIS STAGE ADD THE GLYCERIN BEFORE IT STARTS TO CURDLE. REMOVE FROM THE HEAT AND REMOVE FOAM SKIN FROM TOP. ADD THE ACTIVATED CHARCOAL AND MIX. LASTLY POUR THE MIXTURE ONTO YOUR HEATPROOF TRAY. AFTER 4-5 DAYS YOUR BIOPLASTIC SHOULD BE DRY ENOUGH TO REMOVE FROM THE MOULD. REMOVE AND HAVE FUN!

AVOCADO AND TURMERIC DYEING

DESIGN DEVELOPMENT

SHAPE DEVELOPMENT





CRESS ECOSYSTEM - HOOD

Schematic Render

- Line Thickness
 - Silhouette Line: 1 Pixels
 - Seamline: 1 Pixels
 - Internal Line: 1 Pixels
 - Topstitch Line: 200 %
- Line Color: [Color selection]
- Garment: [Color selection]
- Brightness: [Slider]



Material List:

- Mult_2009
- Blue_ink_Cotton_Seray
- Seafarmer_Pink_Cotton_Seray
- Cotton_Serayh_Sabon G
- Waffle Cotton
- Deadstock Cotton
- Deadstock Cotton



INGREDIENTS

WAXED COTTON

DEADSTOCK / RECLAIMED UK FACTORY
100% COTTON

BAMBOO JERSEY

DECREASED WATER CONSUMPTION
68% BAMBOO, 28% COTTON, 4% ELASTANE

COTTON RIB

END OF ROLL, UNDYED
COTTON, ELASTANE

MODAL TENCEL

ENVIRONMENTALLY RESPONSIBLE SUSTAINABLE WOOD SOURCE
100% COTTON

COTTON BUTTONS

MADE IN EU
80% REC. COTTON FIBERS

COCONUT BUTTONS

RAW UNTAINTED MATERIAL RENEWABLE AND DURABLE
100% COCONUT

CHARCOAL BIOPLASTIC

BIODEGRADABLE, ENTIRELY NATURAL COMPOSITION
AGAR, GLYCERINE, ACTIVATED CHARCOAL, WATER

SPIRULINA BIOPLASTIC

BIODEGRADABLE, ENTIRELY NATURAL COMPOSITION
AGAR, GLYCERINE, SPIRULINA, WATER

HESSIAN SACK

RECLAIMED / UPCYCLED
VEGETABLE FIBRES

RECIPE FOR: ACTIVATED CHARCOAL BIOPLASTIC

PREP TIME: 5 mins
COOK TIME: 5-8 mins
YIELDS: approx. 140ml

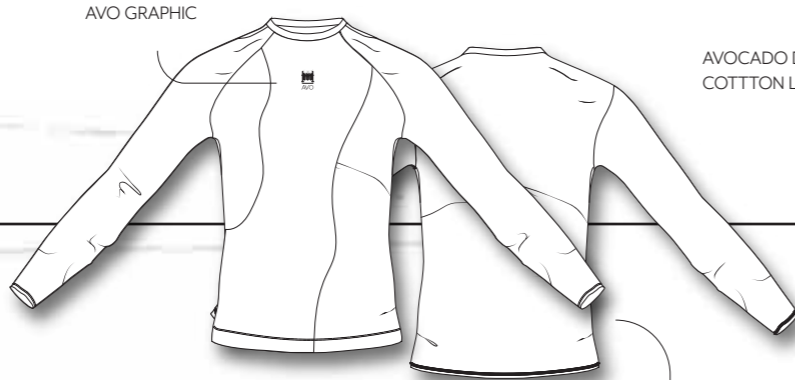
INGREDIENTS		EQUIPMENT	
WATER	100ml	COOKER/STOVE	MEASURING CUP
ACTIVATED CHARCOAL	16g	COOKING POT	FLAT HEATPROOF SILICON TRAY
AGAR-AGAR	26g	SCALE	STIRRING SPOON
VEGETABLE GLYCERIN	10g		

METHOD

IN THE COOL COOKING POT MIX THE AGAR POWDER AND WATER. STIR UNTIL MIXTURE THICKENS AND BECOMES VISCOUS. BEGIN TO HEAT MIXTURE UNTIL IT RELAXES INTO RUNNY LIQUID. AT THIS STAGE ADD THE GLYCERIN. BEFORE IT STARTS TO THICKEN, REMOVE FROM THE HEAT AND REMOVE FOAM SKIN FROM THE TOP. ADD THE ACTIVATED CHARCOAL AND MIX. LASTLY, POUR THE MIXTURE ONTO YOUR HEATPROOF TRAY. AFTER 4/5 DAYS YOUR BIOPLASTIC SHOULD BE DRY ENOUGH TO REMOVE FROM THE MOULD. REMOVE AND HANG TO FINALLY AIR DRY.




OUTFIT ONE



AVO GRAPHIC

AVO BASE LAYER TOP

AVOCADO DYED COTTTON LINING



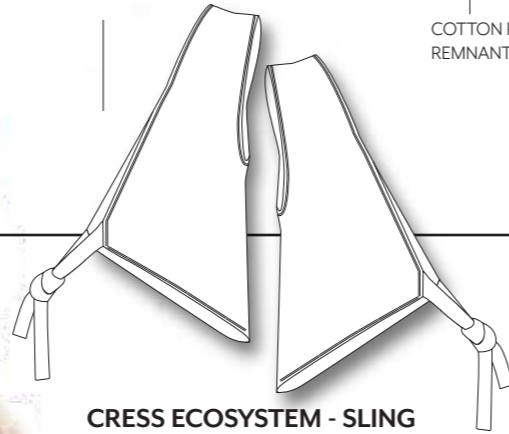
BOX PLEAT

RECLAIMED BOMBER JKT

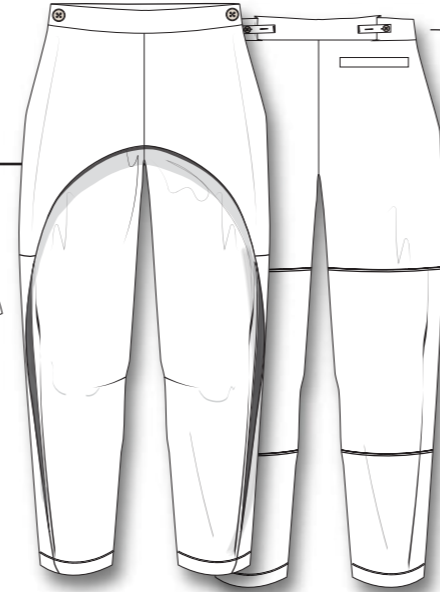
BAMBOO & TENCEL JERSEY

COTTON RIB REMNANTS

PORUS LINEN- CRESS LAYER

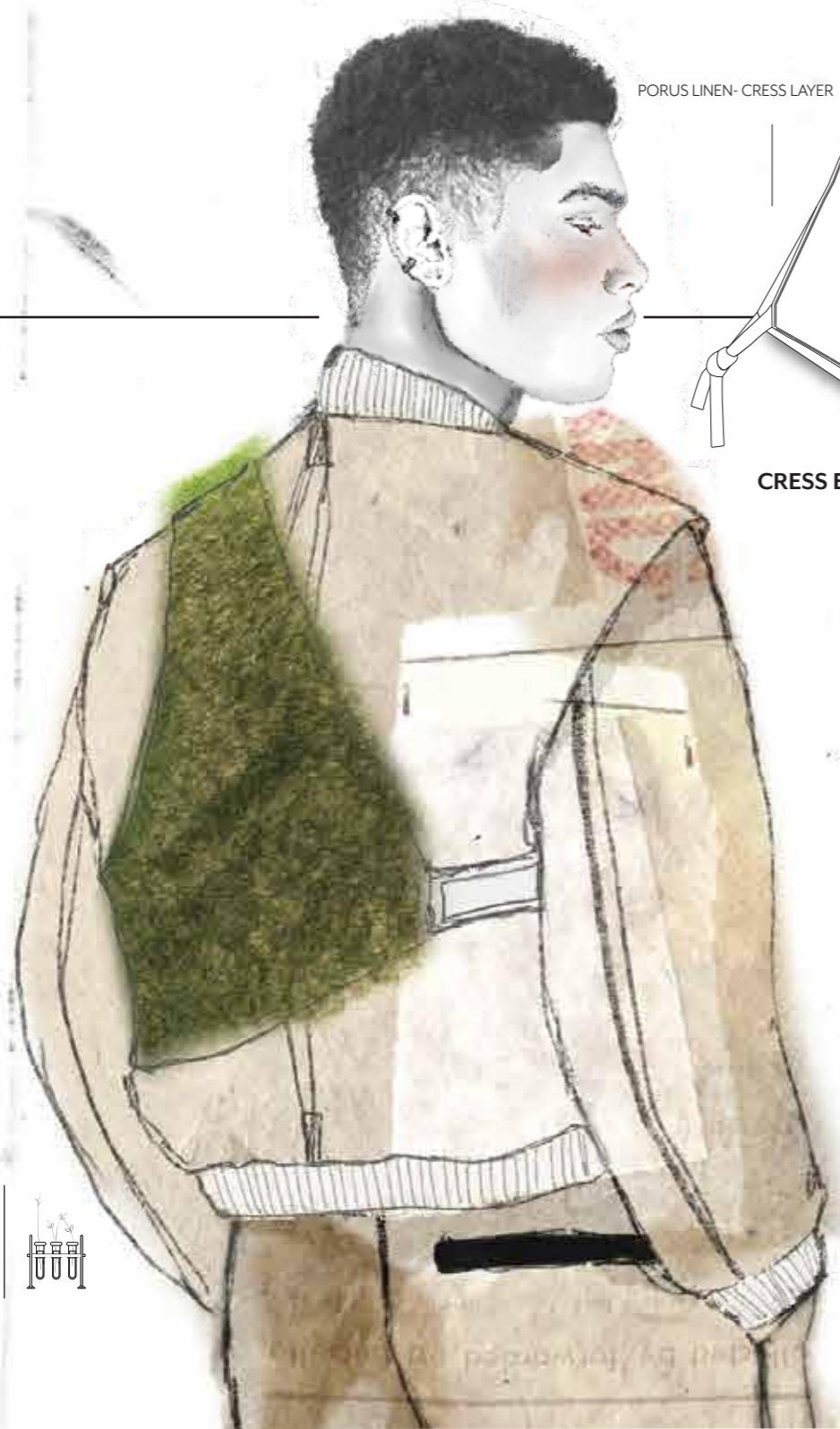


CRESS ECOSYSTEM - SLING



BACK ADJUSTERS AT WAIST

ATLAS BIO -PANTS



AVO

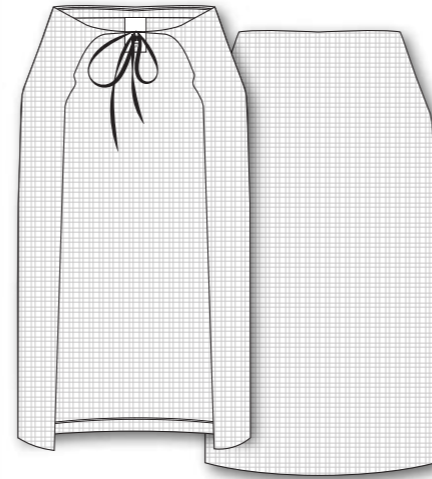
PHYGITAL STUDIO

SERIES 1

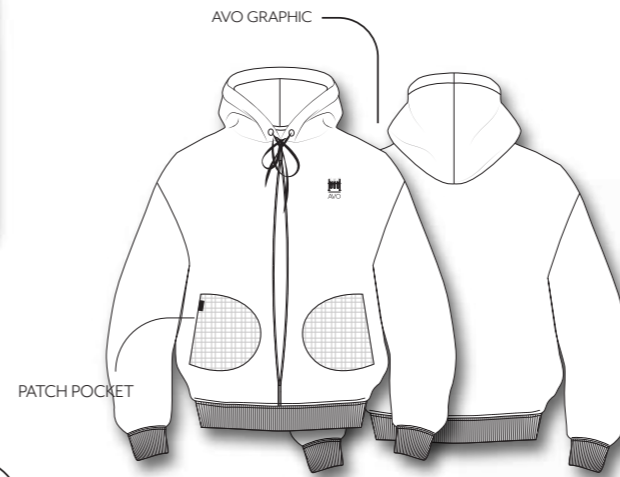
BIOPHILIC DESIGN EXPERIMENT



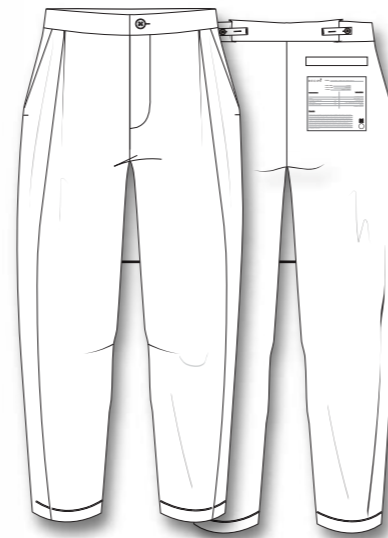
OUTFIT TWO



COTTON WAFFLE WRAP



AVO OVERSIZE HOODIE



TAPERED PINTUCK PANTS

AVO RECIPE GRAPHIC



CRESS GROWING LAPSE

24HRS



72HRS



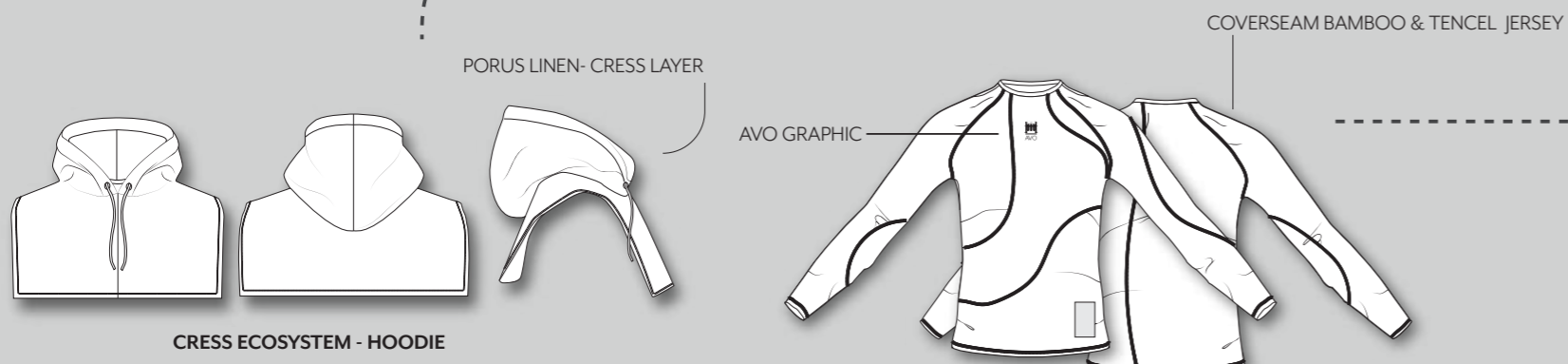
120HRS



168HRS

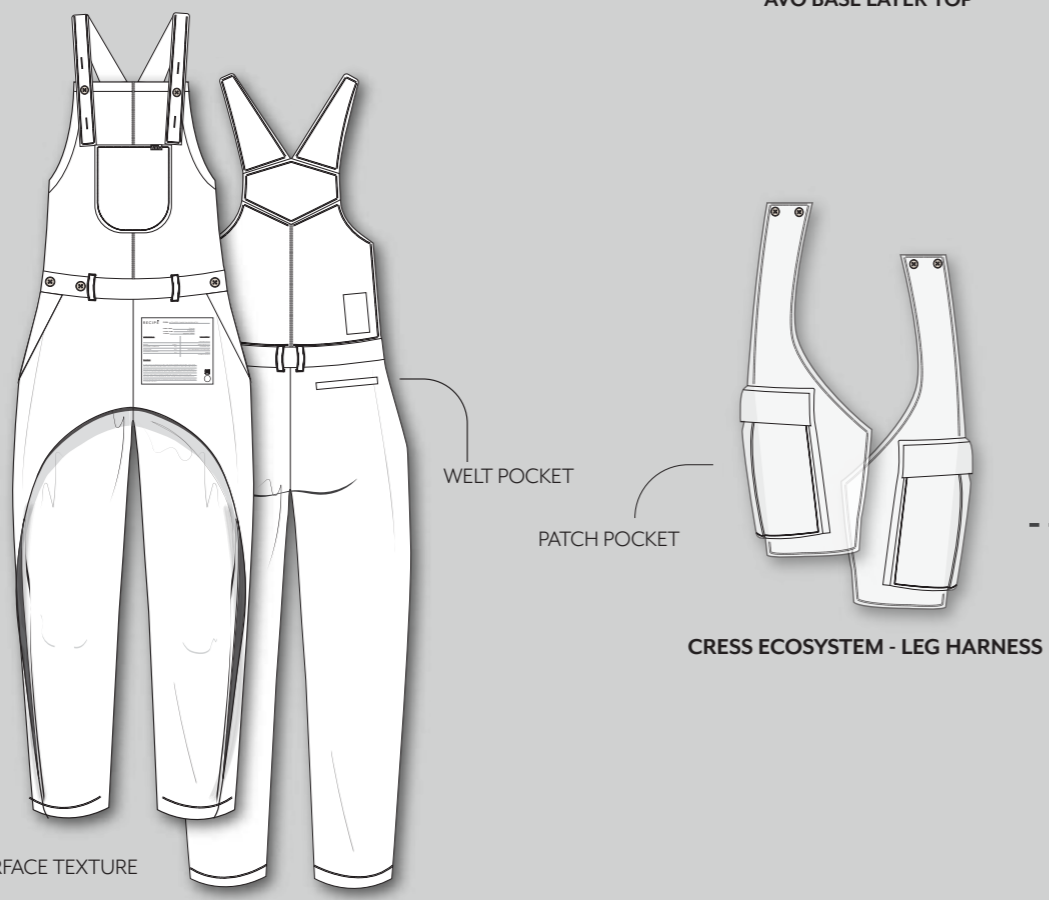


OUTFIT THREE



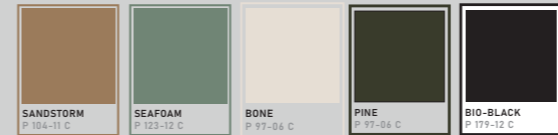
CRESS ECOSYSTEM - HOODIE

AVO BASE LAYER TOP



ATLAS BIO- OVERALLS

CRESS ECOSYSTEM - LEG HARNESS



OUTFIT FOUR

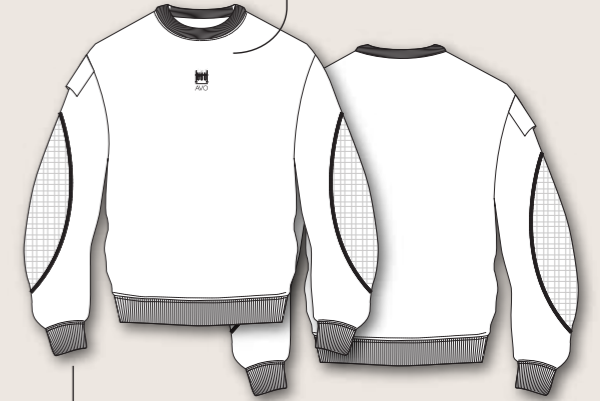


PORUS LINEN- CRESS LAYER



CRESS ECOSYSTEM - VEST

AVO GRAPHIC

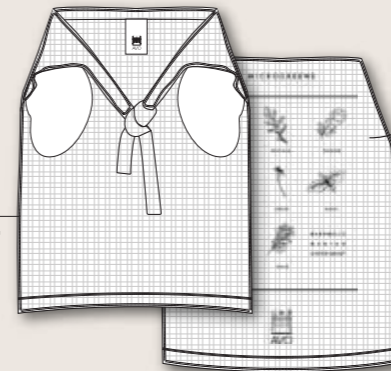


AVO CREW NECK SWEATER

COTTON RIB
REMNANTS

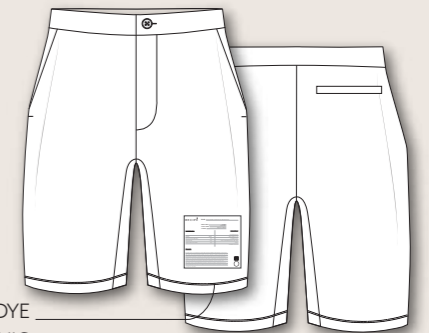
MICROGREEN GRAPHIC

COTTON WAFFLE

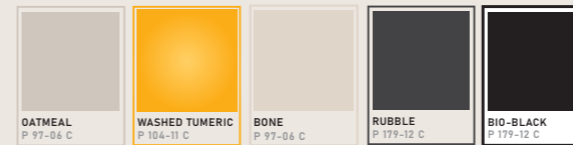


MICROGREENS WRAP

TUMERIC DYE
RECIPE GRAPHIC



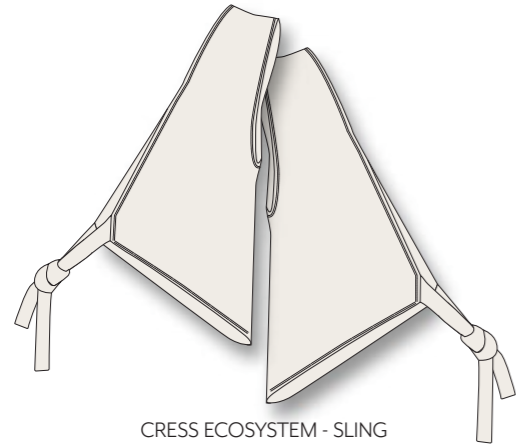
TUMERIC GRAPHIC SHORTS



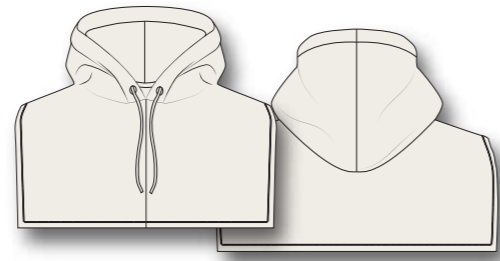
FINAL COLLECTION



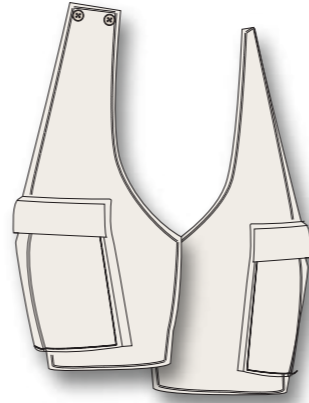
RANGE PLAN



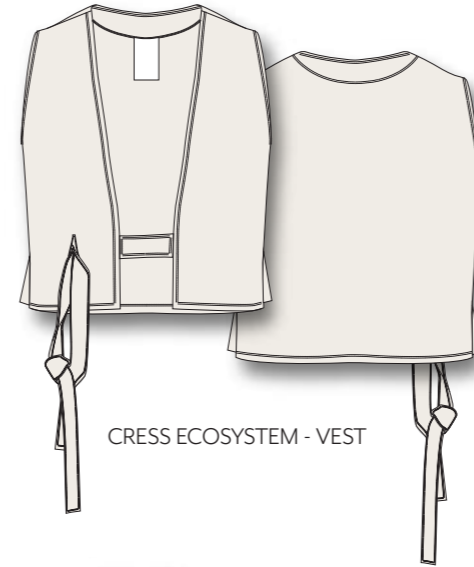
CRESS ECOSYSTEM - SLING



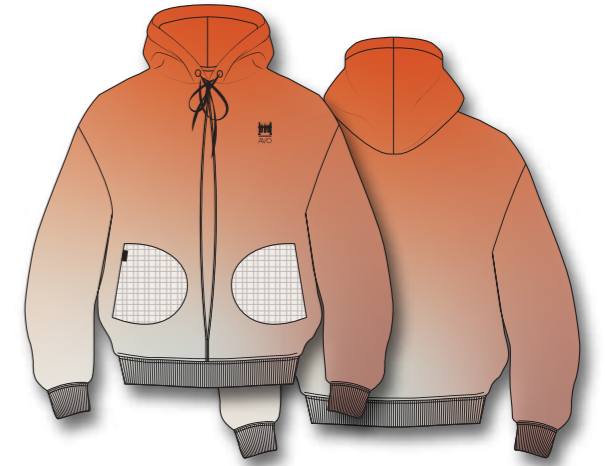
CRESS ECOSYSTEM - HOOD



CRESS ECOSYSTEM - LEG HARNESS



CRESS ECOSYSTEM - VEST



COTTON WAFFLE WRAP



RECLAIMED BOMBER JKT



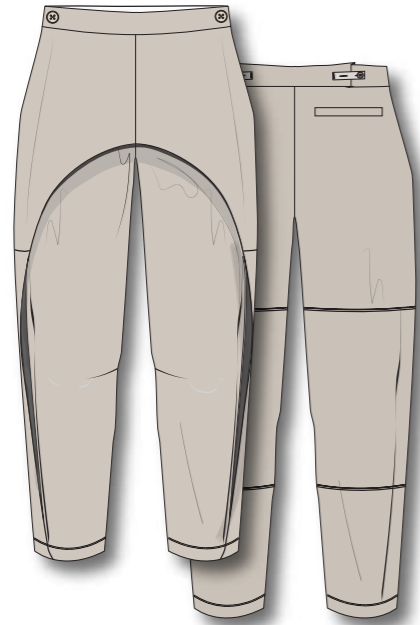
AVO BASE LAYER TOP



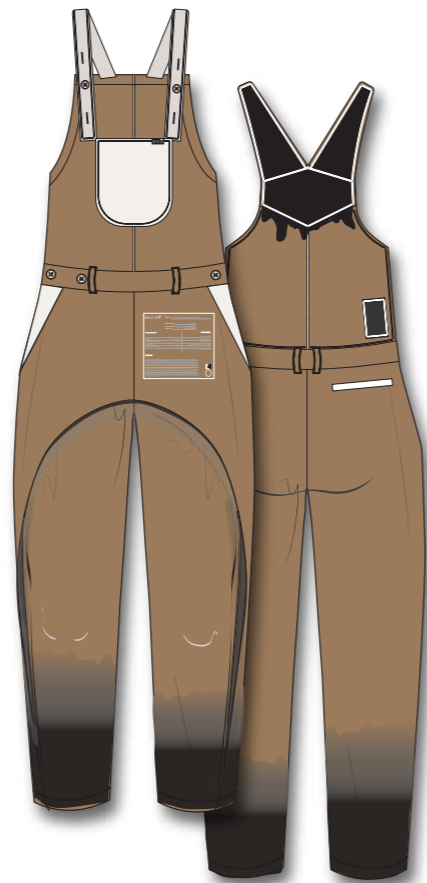
AVO BASE LAYER TOP



AVO CREW NECK SWEATER



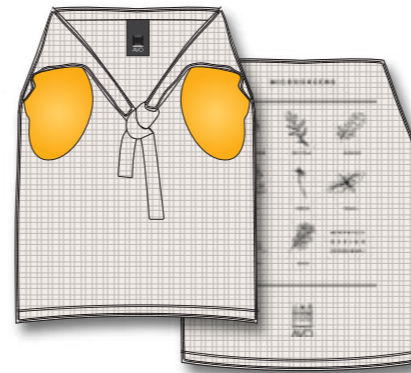
ATLAS BIO -PANTS



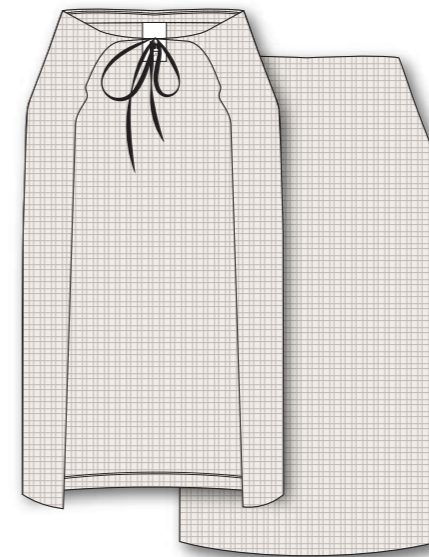
ATLAS BIO- OVERALLS



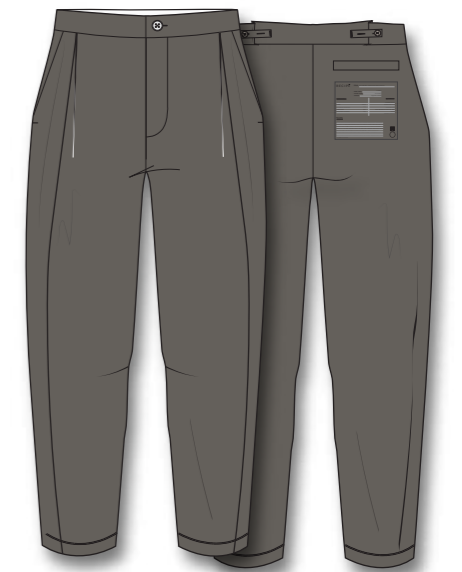
TUMERIC GRAPHIC SHORTS



MICROGREENS WRAP



COTTON WAFFLE WRAP



TAPERED PINTUCK PANTS



AVŌ

PHYGITAL STUDIO

SERIES 1

BIOPHILIC DESIGN EXPERIMENT



CATWALK VIDEO

<https://youtu.be/ZFt--NXEzY>

