

Knowledge organiser year KS3

1. Fabrics

Natural Fabrics

Cotton	Soft, good absorbency, prints well, machine washable, strong breathable	Origins from the Cotton Plant.	Uses: Jeans, towels, Shirts, dresses, underwear
Wool	High UV protection, flameproof, breathable, durable insulating	Origins from Sheep.	Uses: Jumpers, Coat, blankets
Silk	Smooth, Soft, Strong	Origins from the silk worm.	Uses: Wedding dresses, lingerie.
Linen	Strong, cool in hot weather	Origins from the flax plant	Uses: Trousers, tops.
Leather/Suede	Strong, hardwearing, durable.	Origins from the skin of animals, mainly cows.	Uses: Jackets, Trousers, Shoes.

Synthetic fabrics

Polyester	Durable, wrinkle resistant, stain resistant	Uses: Shirts, jackets. Also used in safety belts, conveyor belts and tyre reinforcement.
Polyamide (Nylon)	Durable, high abrasion resistance	Uses: Sportswear, carpets.
Elastane (Lycra)	Stretchy, durable, high stain resistance	Uses: Sportswear, Swimwear, tights.
Viscose	Soft, comfortable, absorbent, easily dyed.	Uses: Dresses, linings, shorts, shirts, coats, jackets and outerwear.
Acrylic	Absorbent, retains shape after washing, easily dyed, resistance to sunlight.	Uses: Jumpers, tracksuits, linings in boots.

1. Fabrics

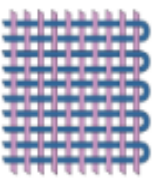
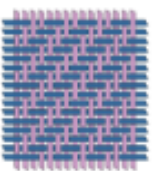
Blended and mixed Fabrics

These fabrics take on the positive characteristics of their combinations


Cotton/Polyester	Easy care and crease resistant	Uses: School shirts.
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2. Fabric Construction

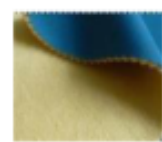
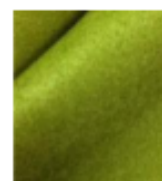
Woven

Plain Weave	Extremely strong and hard wearing	
Twill Weave	Extremely high strength and abrasion resistant.	

Knitted

Knitted fabrics	Stretchy, soft and comfortable.	
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Non-Woven

Bonded Fabrics	These are webs of fibres held together by glue or stitches.	
Felted Fabrics	Felt is made by combining pressure, moisture and heat to interlock a mat of wool fibres.	

3. Care Labels



Washing Label will usually have a max. temp number included



Hand Wash only



Do not wring out



Tumble Dry



Iron on low heat. The more dots the higher the heat setting



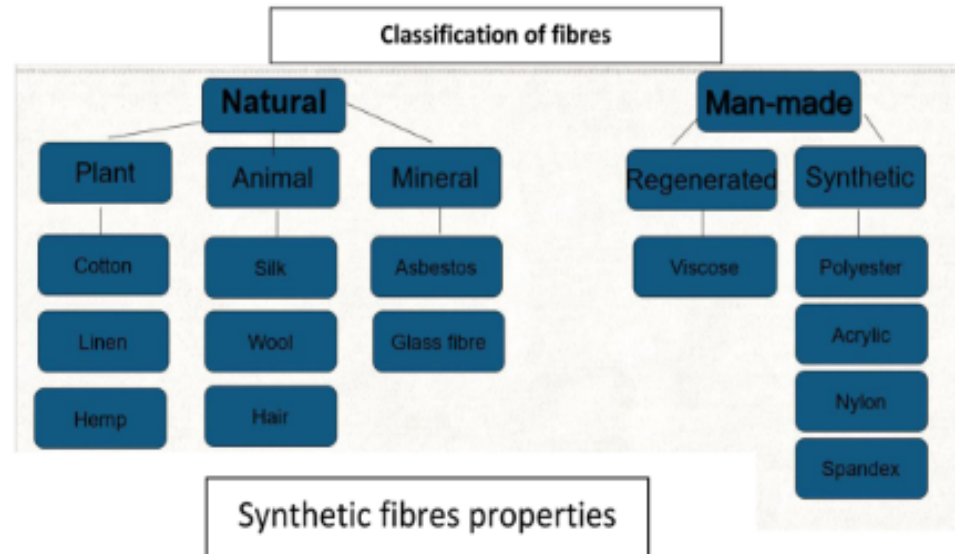
Do not bleach

FABRICS/ FIBRES

Knowledge organiser year KS3

Key Words and Definitions:

Aesthetics	The visual appeal of a design/ product	Facing	The fabric used on the inside of hems/edges to neaten a product	Organic	Fibres which are produced naturally without using herbicides or pesticides
Blended fibre	Two or more fibres spun together to make a yarn	Flammable	Likely to catch fire	Fairtrade	Partnership between producers and consumers to ensure workers get fair wages
Bonded	Webbs of fibres which are pressed together using adhesives or heat	Haute couture	French term for high fashion	Toile	A rough first version of a garment
CAD/CAM	Computer aided design/ computer aided manufacture	Interactive fabrics	A product which requires a power source to activate its features	Prototype	A version of a product to use for testing and also to present to a client
Care label	Label containing information on how to care for and maintain a product	Interfacing	An extra layer of fabric between fabric and facing to help add shape to a product	Staple fibre	Short fibres usually natural
Colourfast	How well a fabric keeps dyes applied to it even after washing	Laminated	When 2 or more fabrics are bonded together to enhance the fabrics properties	Sustainable	Something which can be manufactured with little or no negative impact on the environment and workers
Disassembly	Taking a product apart to analyse how it is made.	Pattern	A template used to cut out the fabric	Pret a porter	Ready to wear fashion
Drape	How a fabric hangs	Components	Buttons, zips, sequins not pockets	Specification	A list of requirements that a product must meet



Synthetic fibres properties

Acrylic 	Properties <ul style="list-style-type: none"> • Warm to wear • Non-absorbent, fast drying • Soft handle like wool • Good drape • Durable • Crease resistant • Easy care
Nylon 	Properties <ul style="list-style-type: none"> • Warm to wear • Absorbent, dries slowly • Breathable, repels rain • Soft or coarse handle • Can shrink - dry clean • Good drape • durable • Creases drop out
Polyester 	Properties <ul style="list-style-type: none"> • Low warmth • Non-absorbent, fast drying • Soft handle • Good drape • Thermoplastic • Very durable • Crease resistant • Easy care • Can be recycled

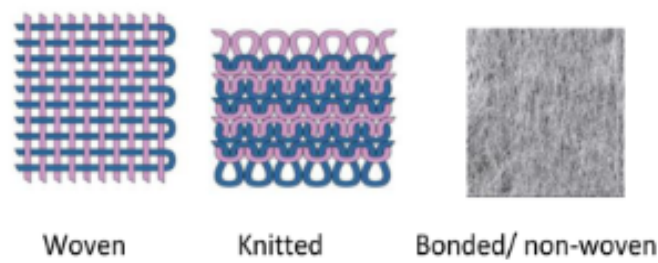
Regenerated fibres

These are similar to cotton, they are made from cellulose (plant) based fibres a chemical is added to extract the cellulose fibres. Regenerated fibres are part natural and part artificial. Examples are:

- Viscose
- Rayon
- Acetate
- Tencel
- Modal

The properties of regenerated fibres are: Highly absorbent, washable, soft, smooth, comfortable to wear and have a good drape.

Fabric construction.



Properties and use of natural fibres

Natural Fibre	Properties	Uses
Cotton	Strong, absorbent, cool to wear, hard wearing, creases easily, easy to care for	Clothing, soft furnishings
Wool	Warm, absorbent,	Warm outer wear e.g. jumpers, carpets, blankets, soft furnishings
Silk	Comfortable to wear, soft, absorbent, expensive, natural sheen	Luxury clothing and furnishing

Gypsy Chic



Different types of Mood Board?

PIN BOARD: Lots of different objects pinned to an actual board – that can be an organic idea sheet (this means it can change and develop as you work with it, adding new images/ ideas and removing ideas.)

PINTREST – The computerised version of a pin board – using the website Pinterest

COLLAGE BOARD – a cut and stick process, where you select images from magazines/ off the computer/ photographs/ colour swatches and fabric, then you stick them down creatively to create a mood board.

POWER POINT - all internet based, created on the computer (the least effective way to create a mood board, as it is all second hand information and 2D), but can be a good starting point.

What is a Mood Board?

The mood board is a display that creates a visual presentation of style, feeling, and colour. It is the first step taken when designing for a client.

Why have a Mood Board?

The mood board allows you to select images that will inspire you on creativity – not for you to copy but to use as a starting point – it could be a colour, a shape or even a pattern that inspire you.

Cottage Chic

Boho Tropicana
PROCREATE COLOR PALETTE

Boho

Procreate Color Palette





Dance Constance Home