Sustainable Shopper

Fair trade is an arrangement that aims to improve prices, wages, working conditions and trade between farmers and workers in less economically developed countries.
Fair trade also aims to provide better health and safety, access to clean water, access to education and reduction in using harmful chemicals for workers.

The logo represents that the organisations involved have met social, economic and environmental standards.
If a product has been produced under this arrangement it displays the fair trade logo.

FAIRTRADE

Physical & Working properties

Consider the different properties of fabric when selecting your material

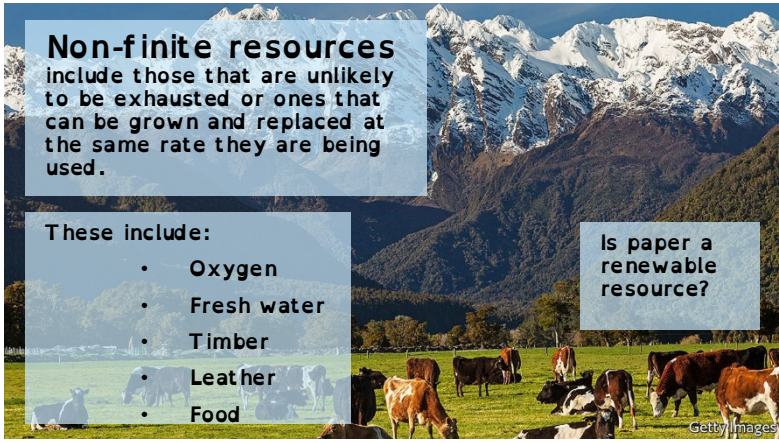
Strength
The amount of load or compression it can withstand

Absorbency
Taking on or attracting liquid, light or heat

Elasticity
Will it return to shape after being compressed?

Thermal conductivity
The ability of a material to conduct heat

Finite (non-renewable resources and fossil fuels)
Resources in limited supply or cannot be reproduced. Being used faster than they are naturally replaced. Cannot be synthetically reproduced. This includes coal, oil and gas.



Non-finite resources
include those that are unlikely to be exhausted or ones that can be grown and replaced at the same rate they are being used.

These include:
- Oxygen
- Fresh water
- Timber
- Leather
- Food

Is paper a renewable resource?

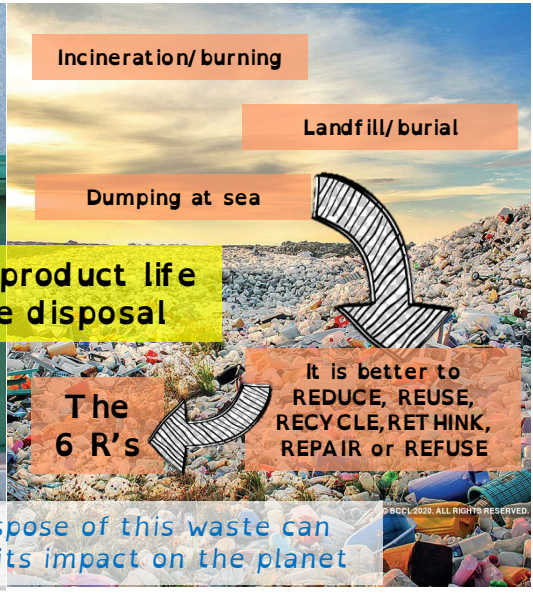
Measuring

Measuring in millimetres is more accurate than measuring in centimetres.

1mm = 0.1cm
10mm = 1cm
50mm = 5cm
57mm = 5 7cm
100mm = 10cm

CONVERT mm to cm ÷ 10
cm to mm x 10

Animal (Natural)		Chemical (Synthetic)		Vegetable (Natural)	
Raw material	Fabric	Raw material	Fabric	Raw material	Fabric
Silkworm	Silk	Petrol based chemicals	Polyester	Cotton plant	Cotton
Sheep	Wool		Acrylic	Bamboo plant	Bamboo
Cow	Leather		Nylon		
			Lycra		
Rabbit	Angora	Aramids	Nomex	Flax	Linen
Goat	Cashmere		Kevlar		



How we treat and dispose of this waste can dramatically improve its impact on the planet

RESISTANT

Applied to fabrics as a FINISH. It produces a chemical reaction which slows down the spread of fire. Tents, toys, nightwear and upholstery all have to follow strict guidelines.

Flame retardants