

# Knowledge Organiser: Design Technology Term 1

## Construction of your sleep-mask

- coloured polyester felt as the face fabric
- Polyester wadding to provide padding.
- Plain-weave cotton/polyester as the backing
- elastic strap
- Straight stitch (machined) or running stitch (hand)
- Zig-Zag machine stitch

## Key Words

Natural  
Woven  
Silk  
Petrochemical  
Elastic

Synthetic  
Knitted  
Worm  
Polymer  
Sewing machine

Blended  
Cotton  
Cocoon  
Interlining  
template

Renewable  
Boll  
Wool  
Plain weave  
evaluate

## Fibre categories

### Natural

Wool, Cotton, Silk, Linen

### Man Made/synthetic

By products of the oil industry

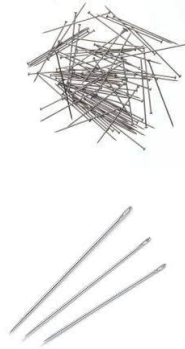
### Regenerated

Recycled,



List of designers from your chosen movement/era:

## Tools & Equipment



## Fabric types

Woven

Bonded/felted

Knitted



## Cotton

Fruit called BOLL  
Soft strong, easily washable  
Blends well with other fibres  
renewable



## Wool

Commonly from Sheep  
Source determined soft or coarse  
Dyes well  
Very warm even when wet  
Renewable



## Silk

From silkworm cocoon  
Triangular structure = shine  
Expensive  
Renewable



## Synthetic Fibres

Polymers from petrochemicals  
Wide range of colours  
Hardwearing  
Non absorbent  
Easily blended  
Non Renewable



## Straight stitch

Stitch width 0

Stitch length 2 ½ - 3

## Zigzag stitch

Stitch width 4

Stitch length ½ - 1

