### Y9 Recycle it Challenge - Sustainability, SMSC and the 6Rs Knowledge Organiser

#### The 6 Rs

**Rethink** – Do we make too many products? Design in a way that considers people and the environment.

**Refuse** – Don't use a material or buy a product if you don't need it or if it's bad for people or the environment.

Reduce – Cut down the amount of material and energy you use as much as you can.

**Reuse** – Use a product to make something else with all or parts of it.

**Recycle** – Reprocess a material or product and make something else.

**Repair** – When a product breaks down or doesn't work properly, try to fix it.



#### **SMSC Influences**

#### **Cultural:**

Is any religious or ethnic group likely to be offended? Is the product appropriate for the society in which it will be used?

Is the product suitable for men and women?
IS the product suitable for the age range targeted?

#### **Economic:**

What impact does the product have on jobs. Create or reduce work?

What are the working conditions for employees involved in making the product?
Who profits from the technology? Fair deal or

Who profits from the technology? Fair deal or exploitation?

#### **Environmental:**

Does the product use many different material types? Does the product cause pollution?

Are the materials used renewable or non-renewable? Have any habitats been damaged inn extracting and producing the product?

Can it be reused or recycled or will it end up in landfill?

#### Social:

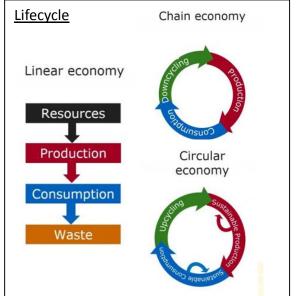
Is the product age/gender appropriate?

Does the product have positive or negative results for people living elsewhere in the world?

Does it improve the life for those with a disability?

Does the product make life better for those who use it?

Does the product make life better for those who make it?



# Product Analysis



## Keywords in textiles A Applique / Aesthetics

B Buttons / Batch production / Batik / Bonded fabrics /

Breathable fabrics / Biodegradable / Bobbin

C Cotton / CAD CAM / Components / Colour / Construction

Decorative stitches / Design / Dyeing / Disassembly

Design brief / Durability

Embroidery / Evaluation / Elasticity / Eco-Design

Embellishment / Embossing /

Fibres/ fluorescent fabrics / Functionality / Fabric crayons

Fastenings / Felt / Flammability

G Gathering / Grading

Hand stitching / Health & Safety / Hems / Handle

Ideas / Interfacing / Inspiration / Inks / Iron
Lace / Laminated fabrics / Leather / Linen

M Machine stitching / Microfibres / Manequin / Mood

boards

N Natural fibres / Natural fibres / Needles / Nylon

Overlock / Organic

Patchwork / Pattern / Pattern cutting / Pile /

Phosphoresence

Pigment / Polyester / Pocket / Pleat / Printing / Pressing

Recycling / Regenerated fibres / Research / Rayon /

Reflective

Satin / Scissors / Sustainable / Screen printing /

Sewing machine / Shade / Stencil

Tailors chalk / Tape measure / Testing / Texture / Threads

Market and Statement and State

Tie-Dye / Trends / Tolerance / Tailored / Transfer printing

V Weave / Webbing / Wool / Water-proofing

Z Zip

# Fashion Drawings









## **Equipment & Key Terms**

Needle		Used to hand sew fabric and creating embroidery designs. The 'eye' of the needle is where the thread is fed through.	Over locker		A electrical machine that neatens the edge of fabric to prevent fabric from fraying.
Pins		Used to hold fabrics in place when sewing, with an 'in/out' motion.	Aida Fabric	2	Fabric used to create embroidery designs.
Machining Thread		Used to sewing fabrics together, either by hand or with a sewing machine.	Pattern		Used as a template for cutting out pieces of a textile product.
Fabric Shears	B.	Used to cut fabrics and threads only, not paper.	Seam Allowance	7 6 5	Added to pattern to ensure that the products ends up in the correct size.
Embroidery Scissors	S	Used to cut delicate work into fabrics and trim threads.	Fabric		Used to create a range of different products, including toys & clothing. Comes in a range of different lengths, widths, colours, finishes & patterns. Can be either Natural or Man-made.
Embroidery Thread		Comes with 6 threads intertwined that can be 'split' to reduce the thickness. Used to create decorative stitches on products.	Ironing/ Pressing	10	Method of removing creases from fabrics to give products a better finish.
Sewing Machine	1	A electrical product that is used to sew fabrics together securely. The machine can produce a range of stitches including straight & zig-zag.	Design	188 P 888	A process that is completed to communicate your ideas clearly.
Tape Measure	0	Used to measure fabrics and the human body to help make patterns accurate to the desired size.	Colour Wheel		Using knowledge of colour to make your product stand out and appeal to others.