

St White's Primary School - DT

Topic: Textiles – Combining Fabric Shapes

Mock up

Wrong side

Fastenings

materials.

project is finished

the product is finished



What should I already know?

- I can join fabrics together using different stitches
- Different textiles have different properties e.g. waterproof, hardwearing, insulating
- I can use pattern pieces to help cut out fabric shapes

THOUGHT

What are the features of a successful product? What features do I need to include in a functional. innovative and authentic product?

Years 5 and 6

What knowledge and skills do I need to be able to design and make a good auality product?

How do I make a paper pattern for the product I want to produce?

What desian decisions do I need to make? How can I communicate my ideas for my product in an effective way?

How will I show innovation? Who will be the user of my product and what are their needs, wants and values? What will be the purpose of my product?

More thoughts... appraising, reflectina, refinina.

Does my product meet the needs and wants of the user? Is it appealing and does it fulfill a purpose? Is it innovative?

Inventors look for problems so that they can plan, design, make and evaluate solutions to make the world better.

DT

ACTION

Researchina, investigatina, disassembling and evaluating existing products and consulting 'real life' designers.

Investigating and practising using a range of methods to join fabrics together and making judgments about the strength and appropriateness of each technique. Practising finishing techniques and,

machine. Creating a 2-D paper pattern with

a seam allowance.

if possible, learning to use a sewing

Developing ideas through research, working drawings, computer-aided design, discussion, paper mock-ups and modelling.

Thinking about the user and purpose and developing specifications for products. Formulating a clear plan of work and allocating tasks if appropriate.

Constantly self-evaluating and making changes if the product is not fulfilling the specification.

Testing final products with the intended user and making an evaluation of how successful they

Pattern A shape drawn to exact size and shape to assist in cutting Extra fabric allowed for joining together – 15mm for Seam domestic purposes allowance Specification Describes what a product has to do Tacking Large running stitches to hold pieces of fabric together temporarily Working Detailed drawing contains all information needed to make a product but is updated as changes are made. drawing A line where two pieces of fabric are sewn together Seam Right side The side of the fabric which will face outwards when the

Technical vocabulary

Quick 3-D modelling using easy to work and cheaper

Mock ups

A device that closes or secures something

The back of the fabric or the side that will be hidden when

- Mock ups can be used to check proportions and scale.
- They can be made out of paper to check that a design will work before using fabric.

Joining fabrics

- Choose two similar fabrics
- Pin the fabric pieces together with the right sides together
- Secure the first stitch in place
- Sew about 15mm from the edge to leave a seam allowance
- Leave a gap to turn the fabric to the right way round

Fastenings

Fastenings are used to close or secure something. They all have different purposes so should be appropriate for the product.















Extra information

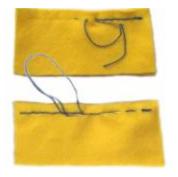
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Joining techniques

Different stitches can be used to join fabric together.

Different stitches have different purposes and should be used in different situations.



Back stitch

Backwards running stitch



Over sew stitch

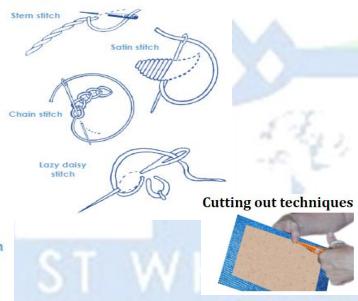


Blanket stitch



Running stitch

Stitches



Cutting out techniques

Ensure template is secured to fabric to allow for accuracy. Double sided tape or pins can be used for this.

Place pattern pieces carefully to avoid wastage.



Fabric types

Fabrics are constructed in different ways. They are used for different purposes and have different properties.



Bonded

Woven





Knitted

Felted

Glossary

- Appliqué means 'applied' describes method of stitching/gluing patches onto fabric (originally to mend holes in worn clothes) to provide decoration.
- Pattern/Template a shape drawn to exact shape and size and used to assist cutting out.
- Seam a line of stitching that joins pieces of fabrics together.
- Seam Allowance extra fabric allowed for joining together usually 1.5cm.
- Prototype a model that is made to test whether a design will work.
- Aesthetics the way in which the product looks with the nature and expression of beauty.