



Design Technology

Textiles

2D shape to 3D product

Y3

In this unit, we will design, make and evaluate a coin purse. We will investigate and evaluate a range of purses, engage in focused practical tasks learning how to use a variety of stitches and techniques which will inform our designing and making. We will test and evaluate our purses, identifying strengths and areas for improvement. We will also research inspiring individuals in this field.

Textiles Knowledge:

I will:

- Know how to strengthen, stiffen and reinforce existing fabrics.
- Understand how to securely join two pieces of fabric together.
- Understand the need for patterns and seam allowances.
- Know and use technical vocabulary relevant to the project

Skills

I will be able to:

Design:

- 3.1 Record ideas by drawing using annotated sketches.
- 3.4 Propose realistic suggestions as to how I can achieve their design ideas.
- 3.5 Order the main stages of making.

Make:

- 3.7 Explain my choice of materials according to functional properties and aesthetic qualities.
- 3.8 Select and use appropriate tools to measure, mark, cut and assemble with some accuracy.
- 3.9 Use a range of finishing techniques with some accuracy

Evaluate:

- 3.11 Draw/sketch existing products to help analyse and understand how products are made
- 3.13 Talk about my designs as they develop and identify what I like and do not like and say why.
- 3.15 Identify the strengths and areas for development in my work.

Vocabulary

Technical vocabulary

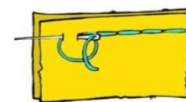
Fabric, names of fabrics, fastening, compartment, zip, button, structure, finishing technique, strength, weakness, stiffening, templates, stitch, seam, seam allowance

Process vocabulary

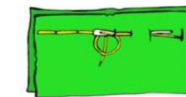
User, purpose, design, model, evaluate, prototype, annotated sketch, functional, innovative, investigate, label, drawing, aesthetics, function, pattern pieces. Names of tools, equipment and materials used

Techniques:

Teaching aids - joining techniques



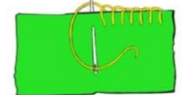
Back stitch



Backward running stitch



Over sew stitch



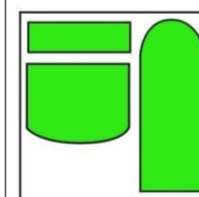
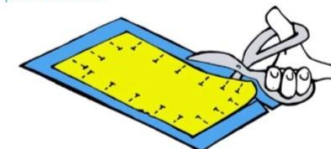
Blanket stitch



Running stitch

Cutting out techniques

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



Place pattern pieces carefully to avoid wastage.

To move children's learning on as enhancement activities, children could research into different types of fabrics and how they are constructed. They could carry out tests to check e.g. strength, waterproofness or flexibility to ensure their chosen fabric can be used to create a product that meets the needs of user and is fit for purpose.



Bonded



Woven



Knitted



Felted

Decorative Techniques



Embroidery stitches e.g. cross-stitch



Appliqué by gluing or stitching

Possible fastenings



Buttons

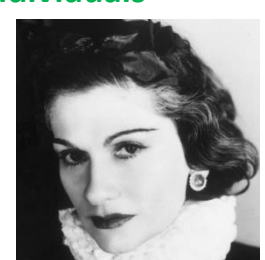


Velcro

Inspiring Individuals



Christian Dior



Coco Chanel