St White's Primary School - DT

## Years 5 and 6

## Topic: Textiles - Combining Fabric Shapes

## 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


## Fastenings

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


Iip


Velcro


Press studs

## THOUGHT

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

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

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

What design decisions do
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 thei needs, wants and values? What will be the purpose of my product?

More thoughts... appraising reflecting, refining

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

## DT

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

## Technical vocabulary

| Mock up | Quick 3-D modelling using easy to work and cheaper <br> materials. |
| :--- | :--- |
| Pattern | A shape drawn to exact size and shape to assist in cutting <br> out |
| Seam <br> allowance | Extra fabric allowed for joining together - 15mm for <br> domestic purposes |
| Specification | Describes what a product has to do |
| Tacking | Large running stitches to hold pieces of fabric together <br> temporarily |
| Working <br> drawing | Detailed drawing contains all information needed to make a <br> product but is updated as changes are made. |
| Seam | A line where two pieces of fabric are sewn together |
| Right side | The side of the fabric which will face outwards when the <br> project is finished |
| Wrong side | The back of the fabric or the side that will be hidden when <br> the product is finished |
| Fastenings | A device that closes or secures something |

## Mock ups

- 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 15 mm from the edge to leave a seam allowance
- Leave a gap to turn the fabric to the right way round


## Extra information

## Joining techniques

Different stitches can be used to join fabric together.
Different stitches have different purposes and should be used in different situations.


Blanket stitch

Running stitch


## Stitches



## Fabric types

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


Bonded


Knitted


Woven


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 1.5 cm .
- 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.

