



Year 5 - Summer - Design & Technology Knowledge Organiser

What I already know...

- How to join fabric in simple ways by gluing and stitching.
- How to use simple patterns and templates for marking out.
- How to evaluate a range of textile products.
- Experience of basic stitching, joining textiles and finishing techniques.
- Experience of making and using simple pattern pieces.

Key Vocabulary

design criteria	Design criteria are the precise goals that a project must achieve in order to be successful.
seam	A line where two pieces of fabric are sewn together.
template	A template is a tool used to mark out shapes repeatedly.
reinforce	Strengthen or support an object, especially with additional material.
stitch	A loop of thread or yarn resulting from a single pass or movement of the needle in sewing, knitting, or crocheting.

What I will learn...

Designing:

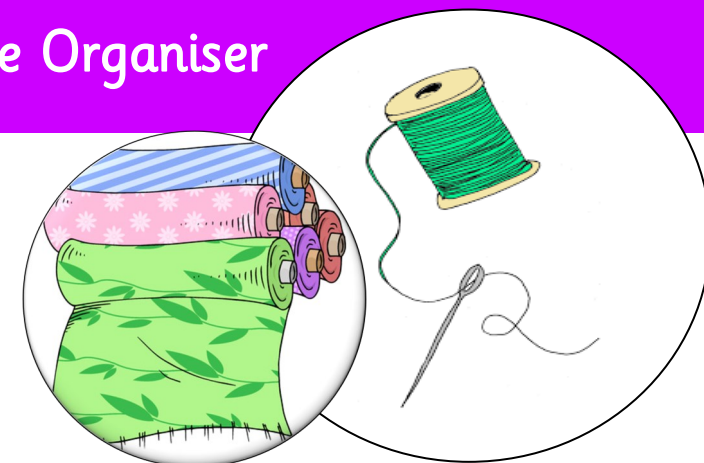
- To know how to use existing products to influence their ideas and to design their own purposeful product.

Making

- To know how to create different stitches e.g. chain stitch and stem stitch.
- To know how to thread a needle.
- To know how to start a stitch.
- To know how to finish off a stitch.
- To choose appropriate tools and materials.

Evaluating

- To know why my product is successful by comparing it to initial research and the original design specification.
- To evaluate throughout the process including altering and refining designs e.g. measurements.



Making a difference at The Merton

During this term, the children will make high quality products applying their knowledge, understanding and skills of textiles. They will develop their knowledge of sewing by combining fabric shapes. Their purposeful product designs will be influenced by existing products and a design criteria. The children will work together to evaluate their ideas throughout the process in order to alter and refine their design.

Making a difference at home

Look through your clothing at home:

- How many different types of stitches can you find?
- How many different types of fasteners can you find? E.g. buttons, zips, press studs, toggles etc.
- Consider why some fasteners are more appropriate for certain clothing items than others.