



Year 5 - Spring - 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.

What I will learn...

- How to use existing products to influence our ideas and to design our own purposeful product.
- How to create different stitches e.g running stitch, blanket stitch
- How to tread a needle, start and finish a stitch and choose appropriate tools and materials.
- Evaluate why my product is successful and alter and refine designs throughout the process.
- Understand how to make a product using a design brief for a purpose.

Key Vocabulary

Design brief	Design a product based on the goals of a brief in order to achieve success.
Seam	A line where two pieces of fabric are sewn together.
Template	A tool used to mark out shapes
Stitch	A loop of thread or yarn from a needle.
Bag	A flexible container with a single opening
Fabric	Artifact made by weaving, felting or knitting fibers.
Felt	A fabric made of compressed matted animal fibers



Making a difference at The Merton and beyond

During this term, the children will make high quality products that they can donate to the community to make a difference to someone's lives. They will design, make and evaluate bags for wheelchairs and walkers and donate them to a local care company to gift to people in order to help them become independent in their lives. Their purposeful designs will be influenced by existing products and a design brief. The children will work in pairs to evaluate their ideas throughout the process in order to alter and refine their design.

How to be an designer....

- **Disciplinary Knowledge:** skills I will learn...
- **research existing products**
- **use a design brief to design a product**
- **work in pairs to design, make and evaluate a bag that can make a difference to people's lives.**