

## Year 5



### Knowledge Organiser: D&T - Textiles

**Project ideas;** Slippers, pillow cases

| Key Vocabulary |             |              | Key Learning                                                                                                                                                                                                                                                                                     |
|----------------|-------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Functionality  | Tie-dye     | Fasteners    | <p>Produce a 3-D textile product from a combination of accurately made pattern pieces, fabric shapes and different fabrics.</p> <p>Understand how fabrics can be strengthened, stiffened and reinforced where appropriate.</p> <p>Know and use technical vocabulary relevant to the project.</p> |
| Embroidery     | Stem stitch | Chain stitch |                                                                                                                                                                                                                                                                                                  |
|                |             |              |                                                                                                                                                                                                                                                                                                  |

| Skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                   |
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| Design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Make                                                                                                                                                                                                                                                                                                                           | Evaluate                                                                                                                                                                                                                                                                                                                                                                          |
| <p>Generate innovative ideas through research including surveys, interviews and questionnaires and discussion with peers to develop a design brief and criteria for a design specification.</p> <p>Design purposeful, functional, appealing products for the intended user that are fit for purpose based on a simple design specification.</p> <p>Develop and communicate ideas through discussion, annotated drawings, exploded drawings and drawings from different views. and, where appropriate, computer-aided design</p> | <p>Produce detailed lists of equipment and fabrics relevant to their tasks.</p> <p>Write a step-by-step plan, including a list of resources required.</p> <p>Select from and use, a range of appropriate utensils, tools and equipment accurately to measure and combine appropriate ingredients, materials and resources.</p> | <p>Investigate and analyse products linked to their final product.</p> <p>Compare the final product to the original design specification and record the evaluations.</p> <p>Test products with intended user and critically evaluate the quality of the design, manufacture, functionality and fitness for purpose.</p> <p>Consider the views of others to improve their work</p> |

In Year 3, you learnt how;

- To strengthen, stiffen and reinforce existing fabrics.
- 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.

### Overview – Combining Different Fabric Shapes

Textiles are flexible materials woven from fibres

- In your prior learning, you should have learnt that textiles are used to make clothing, sheets, towels, linen, carpets, rugs and a wide variety of other products. There are a wide range of textile fabrics.
- You should already know how to join fabrics in a number of ways, including using a range of sewing techniques.
- Textiles designers and makers can use stitches and other techniques (e.g. embroidery, tie dye) to add to the aesthetic appeal of their product.
- They can also add a number of features to improve the product's functionality, for example by adding a range of fasteners (e.g. clasps, ties, buttons, zips, studs, toggles and Velcro).



The fabrics I am using are..

I am going to combine them by..

The stitches I used are...

