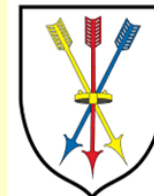


Year 6—MAYAN WORRY DOLL

Textiles—Combining different fabric shapes

Purbrook Junior School Knowledge Organiser

Design and Technology



National Curriculum

DESIGNING: Understanding contexts, users and purposes

Generating, developing, modelling and communicating ideas from research

MAKING: select from and use a wider range of tools and equipment to perform practical tasks accurately

EVALUATING: Own ideas and products and existing products

TECHNICAL KNOWLEDGE: Making products that work by applying understanding

Key Useful Resources

www.data.org.uk

www.wildginger.com

What children should already know

Year 3 learning— Textiles 2-D shape to 3-D product

- Experience of basic stitching, joining textiles and finishing techniques.
- Experience of making and using simple pattern pieces.

Key Vocabulary

1. Pattern or template - a shape drawn to exact shape and size, used to assist in cutting out.
2. Seam allowance - extra fabric allowed for joining together - 15mm for domestic patterns.
3. Specification - describes what a product has to do.
4. Tacking - large running stitches to hold pieces of fabric together temporarily.
5. Working drawing - detailed drawing contains all information needed to make a product but is updated as changes are made.

What children will learn in the topic

YEAR 6 OBJECTIVES:

DESIGNING:

- Children investigate and analyse how existing products have been constructed.
- Communicate ideas through detailed, annotated drawings including design decisions made,
- Select the type of fabrics to be used and the types of stitching that will be incorporated
- Design purposeful, functional, appealing products that are fit for purpose based on a simple design specification.

MAKING:

- Produce detailed lists of equipment and fabrics relevant to their tasks.
- Formulate step-by-step plans and, if appropriate, allocate tasks within a team.
- Develop skills of threading needles and joining textiles using a range of stitches e.g. improving appearance and consistency of stitches and introducing new stitches (running, back, blanket, chain stitch).
- Develop skills of sewing textiles by joining right side together and making seams.
- Pin a pattern on to fabric ensuring limited wastage, how to leave a seam allowance and different cutting techniques.
- Select from and use a range of tools and equipment to make products that are accurately assembled and well finished.

EVALUATING:

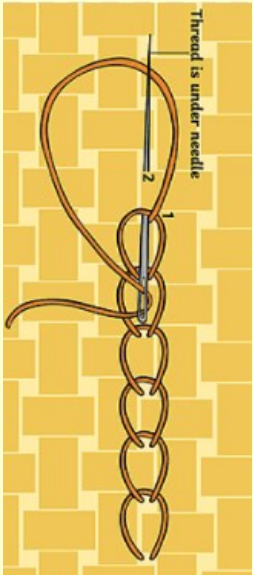
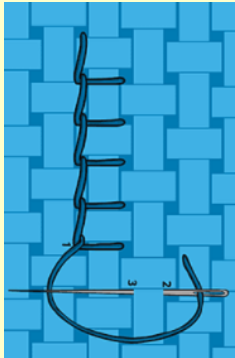
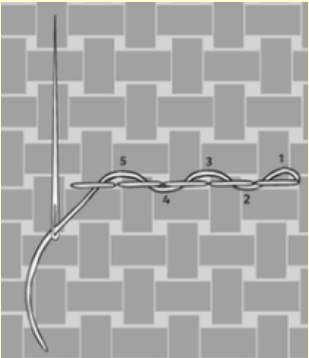
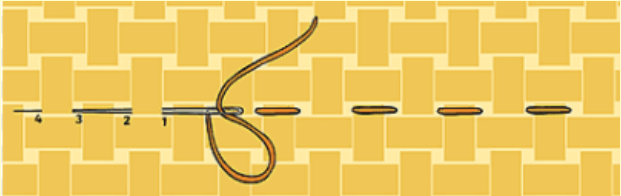
- Consider the views of others to improve their work.
- Compare the final product to the original design specification.

TECHNICAL KNOWLEDGE:

- A 3-D textile product can be made from a combination of accurately made pattern pieces, fabric shapes and different fabrics.



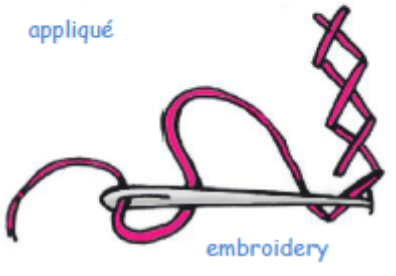
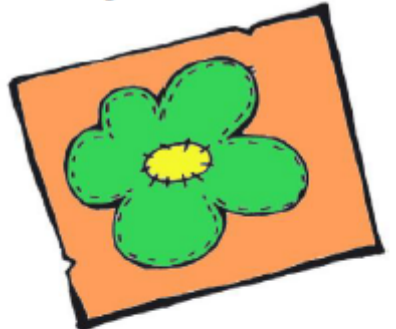
MAYAN WORRY DOLL



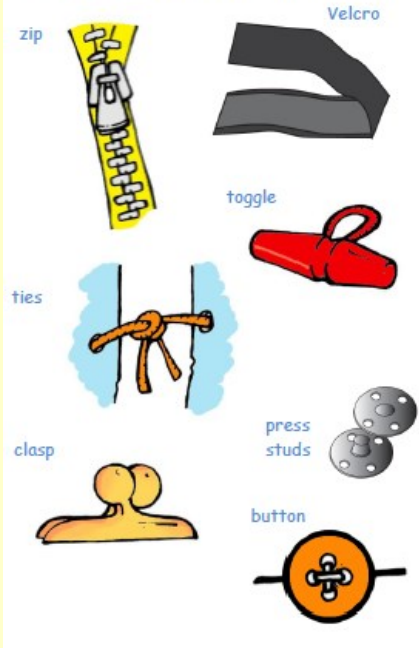
Using stitches as a finish for the product



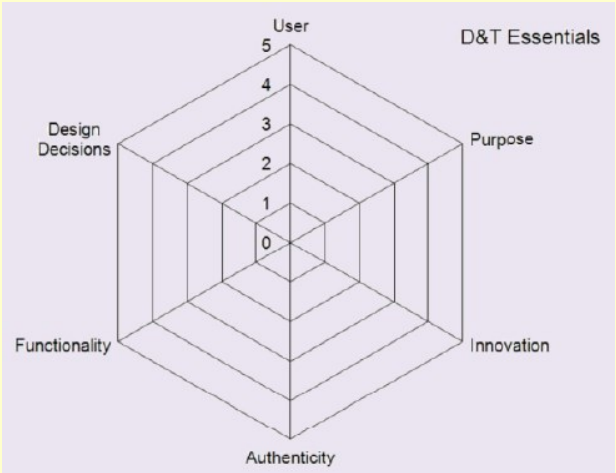
The children could design their finish for their product using a variety of appropriate stitches. They could draw enlarged examples of e.g. insects, flowers, animals and then decide which stitch would be best for each part. Use square paper for a grid to ensure the stitches are in the right place and are the right size.



Possible fasteners
Children may want to use a fastener which should be appropriate for the purpose for the product.



Star diagrams for evaluation.



Health and safety
Pupils should be taught to work safely, using tools, equipment, materials, components and techniques appropriate to the task. Risk assessments should be carried out prior to undertaking this project.