

Ashtree Primary School and Nursery Medium Term Plan for DT

Year 5 – Textiles – Reusable bag

Key Vocabulary

planning, investigating design, evaluate, make, user, purpose, ideas, product, join, fabric, cut, attach, glue, staple, stitch, running stitch, cross section, applique, back stitch, over sewing, fastenings

Prior Knowledge & Skill

To understand the need for and know how to create patterns. Join fabrics using running stitch, over sewing, back stitch. Use appropriate decoration techniques e.g. appliqué (glued or simple stitches)

Key Knowledge

To understand and use the properties of materials to achieve functioning product.

Key Skills

Create 3D products using pattern pieces and seam allowance. Pin and tack fabric pieces together. Join fabrics using over sewing, back stitch. Use fastenings and recreate some. Decorate textiles appropriately often before joining components

KS2 Design and Technology National Curriculum

Design

- Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups. Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

Make

- select from and use a wider range of tools and equipment to perform practical tasks select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

Evaluate

- Investigate and analyse a range of existing products. Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work understand how key events and individuals in design and technology have helped shape the world

Design and Evaluate

Children can be taught key knowledge by learning the skills below:

1. To explore existing product designs – design and materials used.
2. To design a reusable bag
3. To make a prototype of the product
4. To adapt and improve work as necessary
5. To sew a range of stitches
6. To make an appropriate choices on materials/tools/techniques
7. To evaluate finished product against original design
8. To suggest changes for improvement

Curriculum Enhancements and Designers

- Social media upcycling influencers
- Alex Pokas is a natural dyer and artisan based in San Francisco (dye the product using natural dyes)
- Kanine is an artist who specializes in repairing clothing. Her style is a mix of "sashiko", a Japanese tradition of visible mending using patterns of small, continuous stitches, and traditional embroidery and patches.

Misconceptions

Do children know how to use scissors safely? • Can children cut lines accurately? • Can children cut out shapes accurately?

Can children sew two pieces of material together? • Can children use the tools needed for sewing safely and sensibly?

Tangling the thread, ensure the thread is not too long and chn can feel resistance before they sew back on themselves.

Suggested Activities

Curriculum links

- ❖ Science: materials, forces (strength)
- ❖ Art: textiles
- ❖ English: instructions, annotating drawings/designs
- ❖ Maths: measuring
- ❖ PSHE: Collaborative working, discussions and evaluations.
- ❖ Eco schools: recycle, reuses, reduce

This will lead children..

1. To consolidate their sewing skills - running stitch, back stich and over sewing to join materials together or to create a design
2. To understand and use the properties of materials to achieve functioning product.
3. Begin to understand what seam allowance is.
4. Pin and tack fabric pieces together.
5. Decorate the product using previously taught skills.