



ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE/SUBJECT: D&T - sewing CONTAINERS

GROUP: 6

TERM Autumn term

Vocabulary



Skills

Designing: Use research and develop design criteria to inform the design of innovative, functional and appealing products that are fit for purpose. Start to understand how much products cost to make, their sustainability and impact beyond intended purpose. Use a range of drawing skills, discussion, prototypes and patterns to plan ideas. Explain how their product will appeal to the intended audience

Making: Make step by step plans, collect suitable equipment and resources. Refine plans and suggest alternatives. With confidence, sew/stitch, creating permanent joins. Use finishing techniques to strengthen/improve final appearance

Evaluating: Identify strengths and areas to develop in their product against their design specification. Consider the views of others to make improvements. Evaluate similar products to develop design ideas

What we already know

- Each year group will have had experience with researching, evaluating and designing products from scratch
- Measuring skills are developed across the school within the maths curriculum
- Year 4 pupils have practiced running, blanket and cross stitch in their 'Africa is not a country' topic where they made bookmarks

Illustration



Application/ Outcomes

The children will design and make a container of their choice, suitable for a person of their choice, recycling pieces of fabric from old cloth or other household items where possible.

Explore a wide range of containers comparing materials, fastenings, compartments, etc. Make detailed drawings for comparison

Using different stitching techniques. Watch YouTube demo and also model under the visualiser: back stitch, running stitch, blanket stitch. Practise joining small pieces of fabric securely.

Draw up a design specification for their own container with accurate measurements, resources needed and types of stitching & materials. Use squared paper to cut out a template/net of their design. Make necessary modifications before pinning to test fabric and cutting out material. Make a simple mock-up of design and make changes if needed. Measure and cut out real fabric and make product, following design idea. Work safely and accurately to produce a quality finished product that matches their original design.

Add final fastenings and decorations

Review design and evaluate product in terms of quality, suitability for purpose.

Concepts

- Know that research is an essential aspect of product design
- Understand that products have to be fit for purpose
- Understand that it will probably be necessary to modify designs to improve them
- Understand that there is a cost involved in making products and that this should not exceed the value of the final product
- Be able to work to a budget and be resourceful when materials are limited
- Understand the concept of 'Make do and Mend' and why this was essential during ww2
- Consider the environmental impact of throwing away products when finished with. Why is recycling so important?
- Health & Safety; be aware of how to use a needles safely

Other/Cross Curricular Links with English/Maths/

Maths- measures, nets **Art-** accurate drawing/design ideas **Eco-awareness -** recycling

History: ww2 evacuee/make do and mend

Adaptation for SEND: Tick box evaluations, adult support for stitching (use basic stitches) Allow extra time to complete. Simplify design criteria