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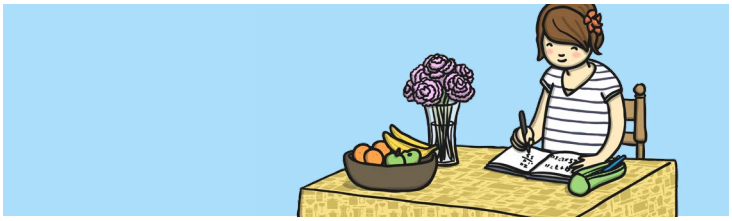
Felt Phone Cases

Introduction

This Felt Phone Cases unit will teach your class about how to write their own design criteria. They will design products with the user in mind thinking about aesthetics and functionality. Annotated designs will be used to communicate ideas as well as step by step plans. Children will learn how to make a paper template and how to sew a running stitch, backstitch, whip stitch and blanket stitch. Finally, when they have made their felt phone case, children will learn how to write a detailed evaluation.

Health & Safety

When carrying out a risk assessment for this unit, teachers will need to consider the materials, tools and equipment being used. Scissor safety rules should always be followed and extra care and adult supervision will be required when using needles. In addition, take care when storing sharp objects e.g. needles. Felt pads with lines/ dots drawn on are useful for storing and checking needles. On going work with needles attached should be stored in resealable bags.



Home Learning

Taking Measurements: Children will be asked to draw an outline sketch of the phone they are making a case for then measure the length, width and depth carefully.

Phone Case Survey: Children will complete a survey about mobile phone cases. They will then be asked to study the results looking for anything interesting.

Wider Learning

A visit from a product designer would be an excellent way to show children the processes involved in designing new products. They could explain how different methods can be used to develop designs ideas.

Assessment Statements

By the end of this unit...

...all children should be able to:

- Develop their own design criteria.
- Use backstitch.
- Create simple patterns.

... children will be able to:

- Aim the design criteria at a target market.
- Use at least two different types of stitches.
- Create an accurate paper template.
- Measure and mark a sewing and cutting line.

...some children will be able to:

- Prioritise the most important points from the design criteria.
- Use a combination of different stitches.
- Create accurate paper templates for both the phone case and decoration.
- Demonstrate precision when measuring and cutting.

To look at all the resources in the Felt Phone Cases unit click here.

To find out more about PlanIt download our free guide here.

Lesson Breakdown

1. The Design Criteria

To 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 in the context of creating a design criteria for a mobile phone case.

- I can write a design criteria for a mobile phone case.

Resources

- Felt
- Examples of mobile phone cases

2. Designs

To generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams in the context of making a paper template for a mobile phone case.

- I can generate a range of design ideas and clearly communicate my final design.

- None needed

3. Making a Template

To generate, develop and communicate their ideas through discussion, prototypes and pattern pieces in the context of making a paper template for a mobile phone case.

- I can make a paper template.

- 1 cm squared paper
- Scissors
- Rulers
- Sharp pencils

4. Selecting Stitches

To generate, develop, model and communicate their ideas through prototypes in the context of practising different stitches to inform the final design.

- I can practise using different types of stitches and choose the best one to use on my final felt phone case.

- Fabric sheers
- Needles
- Threads
- Pre-cut rectangles of scrap fabric

5. Step by Step Plan

To generate, develop, model and communicate their ideas through discussion and annotated sketches in the context of creating a step by step plan to communicate the making process.

- I can organise my ideas in a step by step plan.

- Felt, scissors, pins, chalk
- Examples of fastenings: Hook and eye, press studs, buttons, ribbon.

6. Decoration and Fastenings

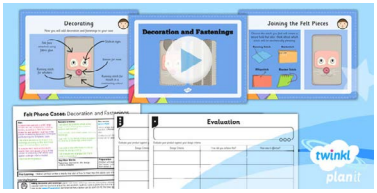
To select from and use a wider range of materials and components, including textiles, according to their functional properties and aesthetic qualities in the context of selecting decorative techniques and fastenings for felt phone cases.

- I can select decorative techniques and fastenings according to their functional properties and aesthetic qualities.

To evaluate their ideas and products against their own design criteria in the context of evaluating a felt phone case against a design criteria created.

- I can evaluate my product.

- Velcro, press studs, buttons, ribbon, felt, needles, different threads, scissors, fabric glue.
- A selection of different fabrics and materials for decorating the phone cases.



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National Curriculum Aim Lesson Context Child Friendly