### Year 4 Summer Design and Technology



## **Tote Bags**

Design, make and evaluate a bag with an Anglo-Saxon inspired decoration

Working towards ...children making their own drawstring bag. Children dye fabric then sew seams using sewing machine to hold and join bag together. Children also learn block printing and use this to decorate with an Anglo-Saxon theme as well as creating chords to make a drawstring

# Links to History topic—Anglo Saxons and Vikings in decoration used

#### Prior Learning (skills and knowledge)

Previously, Chn have ...

- Explored and used different fabrics
- Cut, joined and decorated fabrics with simple techniques including sewing and paint techniques

They have learnt about...

Designing a useable, useful product for a particular user

#### Links to other curriculum areas

- History / Topic—Anglo Saxon
- Science—States of matter, changes to materials
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#### **Essential skills**

This time Chn will ...

- Evaluate different bags
- Draw and label design ideas
- Understand how to dye fabric and write about it
- Dye fabric in a pattern
- Create stencil of Anglo Saxon letter
- Make prototype and use this to improve learning
- Use sewing machine to sew seams
- Decorate bag with stenciled letters
- Make neat, even seams and high quality finished product

#### **Key content**

- <u>Design Bags</u>—Children evaluate different bags, class discussion about the features of bags and comment on bags they like/dislike. Children given a range of users and design bag for several of the users, children draw and label their ideas.
- <u>Dye Fabric</u>—Children watch demonstration of how to mix dyes, prepare fabric and dye fabric using several techniques to add pattern to fabric (sunburst, marbling, rolling, solid colour). Children prepare fabric using rubber bands and then dye fabric. Children write about steps in the process for making dye including naming ingredients in dye and why they are included.
- <u>Prototype</u>—Children look at dyed fabric and evaluate it. Children look at Anglo-Saxon style writing and lettering and then watch demonstration on how to make stencil and paint onto fabric. Children create stencil of first letter of name and practice printing it on fabric.
- <u>Sew bags</u>—Children use sewing machine to sew side and bottom seam on bag. Children also select ribbons and stitch these onto top of bags.
- <u>Decorate Bags</u>—with completed bags, children use stencils to print letter pattern on to front and back of bags.
- <u>Evaluation</u>—children comment on what they have learned this unit, what skill they were very good at and why and also what they would want to do better. Children also comment on how they feel about their final outcome and discuss their thoughts with others

#### Key vocabulary to be taught/embedded

Fabric, calico, cotton, stitch, seam, edge, seam allowance, user, purpose, features, fastening, handles, needles, thread, dye, sunburst, rolling, marbling, solid colour, dye bath, water, salt, dye fixative, dye powder, stir, dissolve, mix, dip, soak, dye resist, rubber bands, sewing machine, stencils, laminated paper, cut-out, paint, dab, ribbons

#### **Linked texts**

- Tie and Dye: Colourful Clothing, Gifts and Decorations
- GO:A Kidd's Guide to Graphic Design