



The Valley Primary School
Class 1 DT MTP Autumn 1 2023-2024.
Bags

Unit Overview:

In this project, children will learn to design and make a bag for a fictional character with a specific purpose such as to carry a reading book, a sports kit or a picnic. First, children will learn about the origin of fibres used to make selected common fabrics and how some are constructed. Next, they will evaluate a variety of existing bags to learn about different types and styles, as well as ways that fabrics can be joined and fastened. Children will also learn how to use a given template or a simple paper pattern, and to pin and cut fabric, as well as ways to join fabric (stitching, gluing, stapling, etc.). This will prepare them for designing a bag for a fictional character. Using labelled drawings, they share their design ideas and select fabric to make their product. Next, the children make a mock-up of their design and consider ways to make and join handles. Then they create their bag using their chosen fabric(s) and join using simple stitches and other techniques. Children can add a pocket or fastening to their bag and/or decorate it. To develop awareness of sustainability, recycled fabrics can be used.

Knowledge / Skills & Concepts:

In this unit, the children will:

Recognise common uses of information technology beyond school.

Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

Cross Curricular links**Science**

Working scientifically – asking simple questions, identifying and classifying. (Key Stage 1)

Describe simple properties of materials of everyday materials. (Year 1)

Art and Design

Use drawings to develop and share ideas. (Key Stage 1)

Develop art and design techniques using colour, pattern and texture when decorating surfaces. (Key Stage 1)

Computing

Use technology purposefully to create digital content, e.g. to create an image using a paint package. (Key Stage 1)

English

Develop pleasure in reading and motivation to read by becoming very familiar with key stories. (Year 1)

Mathematics

Use appropriate standard units to measure height/ length in any direction (cm). (Year 2)

Health and safety

Risk assessments should be carried out before undertaking D&T projects. Follow your school risk assessment policy.

Provide pin cushions to ensure pins are stored safely.

Store needles on a strip of hessian or felt.

Write numbers down the side next to each needle to check the children return their needles when they have finished using them.

Magnets can be used to pick up stray pins and needles.

Children should be shown how to use sharp equipment (such as staplers) safely.

Supervise the children when using sharp equipment and tools.

Fabric scissors, seam rippers and pinking shears are for teacher use only.

Key Vocabulary:

Binca a fabric with an open weave that is used for cross-stitch crewel

needle a sharp needle with a large eye suitable for sewing thread through fabrics such as felt or cotton

design criteria a set of features a product should include if it is to be successful

fabric constructed from fibres or yarns using techniques such as weaving, knitting, crocheting or bonding

fibre a natural or synthetic thread that can be spun into yarn, e.g. cotton or wool

mock-up a model used to test and evaluate a design or show design ideas to other people paper pattern shapes drawn of the exact size

and shape of all the pieces needed to make a bag or garment

seam a line where pieces of fabric are joined together

seam allowance extra fabric to provide space for stitches when joining pieces of fabric together

tapestry needle blunt needle with a large eye suitable for sewing thread through open weave fabrics such as Binca

template a card cut to the shape of the pieces required to make a textile product

woven fabrics constructed with warp and weft threads: the warp thread is wound around a loom and weft threads are woven in and out to create a criss-cross pattern

Learning Sequence & Objectives	Activities	Resources
To discuss and evaluate different types of bags and uses	Explain to the children that in this D&T project they are going to be bag designers for a fictional character. Talk about types of bags the children know and what types of fabrics and other materials designers use to make bags.	Various fabrics (natural/synthetic) constructed in different ways A range of bags A selection of favourite stories and characters
Can you design a bag to help a fictional character carry something that he/she needs?	The bag must be mainly made of fabric. Ask the children to discuss in pairs who the bag will be for and what it will be used for. Talk about their design ideas, considering the needs of their chosen character.	Board showing ways to join fabric (pre-prepared) Thin card and paper Template outline and paper patterns for bags (see the CD-ROM) Staplers and staples
Evaluate a range of bags and decide which fabric would suit their design.	Provide the children with a range of fabrics. Include some the children may know. Discuss and decide which fabric would serve the purpose best.	Selection of fabric glue, paper fasteners and safety pins
To teach and use a range of stitches.	Demonstrate and practice using a range of stitches.	Pins and pin cushions Needles
To design a bag using agreed criteria.	Provide simple design criteria to help the children generate their ideas and make sure the bag is suitable for the intended user and purpose, e.g. it looks nice (visually appealing), it is able to hold things your character needs to carry, it is made of fabric, the seams are joined well, it has comfortable handles.	Cotton or embroidery thread Rectangles of card to store thread A selection of fabrics including all-purpose cleaning cloths (e.g. J-cloths), Binca (cross-stitch fabric), felt, hessian, cotton or synthetic fleece Recycled fabric (old bags and clothes)
To make and evaluate their bags. (May take longer than a lesson)	To follow their design, use appropriate fabric and make their bag. To evaluate the bag against their design and purpose.	Rulers Buttons, poppers,

Velcro, etc. Ribbons, laces, etc. for handles

Children's scissors (if possible, keep a set that are only used for fabric so they remain sharp)

Digital camera

Optional:

Tailor's chalk

Fabric pens and paints,

transfer paint,

sequins,

buttons

Teacher use only:

Fabric scissors

Seam rippers

Pinking shears (to cut edges of fabric to prevent fraying)