

ST GEORGE'S CATHOLIC SCHOOL



St George's Catholic School Design and Technology Curriculum Year 4

Year 4 (duration)	Title of the unit: Textiles , Design a Book Cover , Designer Research
National Curriculum Objectives	Key vocabulary and knowledge
<p>Identify some of the great designers in all of the areas of study (including pioneers in horticultural techniques) to generate ideas for designs.</p> <ul style="list-style-type: none"> • Improve upon existing designs, giving reasons for choices. • Disassemble products to understand how they work. • Cut materials accurately and safely by selecting appropriate tools. • Measure and mark out to the nearest millimetre. • Apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut outs). • Select appropriate joining techniques. <ul style="list-style-type: none"> • Shape and stitch materials. • Use basic cross stitch and back stitch. • Colour fabric. 	<p><u>Vocabulary</u></p> <p>Share terminology: https://www.contrado.co.uk/blog/a-z-guide-sewing-terminology/</p> <p>Anchoring stitches, Applique, Binding, Blanket stitch, Buttonhole, Cross stitch, Back Stitch, Cutting mat, Darn (or darning), Drape, Dressmaker, Edge, Embellishment Embroidery, Face, Frogging, Gather, Interfacing, Pattern, Raw edge, Right side, Running stitch, Seam, Tacking, Thimble, Tuck, Underlay, Wrong side, Quilt, Pad , Gather, Backed</p> <p>Sketch, annotate, disassemble, technique, finish, rigid, evaluate</p> <p><u>Previous Learning:</u></p> <p><u>Year One</u></p> <p>Explore methods of joining fabric. Design and make a character-based hand puppet using a preferred joining technique, before decorating.</p>

- Quilt, pad and gather fabric.

Make products by working efficiently (such as by carefully selecting materials).

- Refine work and techniques as work progresses, continually evaluating the product design.

Year Two

Explore methods of joining fabric. Design and make a character-based hand puppet using a preferred joining technique, before decorating.

Year Three

Learn and apply two new sewing techniques – cross-stitch and appliqué. Utilise these new skills to design and make a cushion.

Future Learning:

Year Five

Design a stuffed toy and make decisions on materials, decorations and attachments (appendages), after learning how to sew a blanket stitch.

Year Six

Using a combination of textiles skills such as attaching fastenings, appliqué and decorative stitches, design, assemble and decorate a waistcoat for a chosen purpose.

Lesson 1:

Discuss why products may have covers? What is the purpose of a cover / case? What should be considered in its design?

Swim pool covers

Hot tub covers

Hot water bottle covers

BBQ covers

Patio furniture covers

Table cloths

Surf Board covers

ipad cases

Phone cases

How do they fasten?

What are they made of?
Who made them?

Collect information . Make sketches about covers. Annotate sketches

Lesson 2.

Disassemble a cloth book cover or an ipad cover. Who was it made by?
Research the maker / designer.

What techniques have been used? What is it made of? What stitches have been used? How does it fasten? How has the cover been finished? How is it backed? Is it quilted / padded or is it rigid?
How could this cover be improved? How could the techniques used in making this cover be used in our topic?

Lesson 3.

Using previous research , brainstorm possible ideas for a book cover.
Record ideas in sketch book. Adapt and refine in the knowledge that the designs will have to be made from cloth and stitched. **Annotate sketches as design drawings.** Use techniques from existing covers but adapted and refined. Focus on how the cover will fasten.

Lesson 4

Create equipment list and list of skills for creating chosen book cover out of fabric.

Practise fabric cutting using large scissors and practise back stitch and over stitch.
Practise sewing buttons and fastenings.

These can be whole class activities and can be taught using the visualiser and YouTube clips.

Refine cover designs in the light of the practical activity. What might be hard / easy. What skills will the children need to improve / refine. **Annotate design sketches.**

Create a paper mock up of the book cover / a template / pattern to follow.

Lesson 5 / 6

In small groups, make cover using shaping , stitching, gathering and quilting techniques. Teach / learn quilting in small group. Refine finishing skills in small group setting. Colour fabric to finish using fabric paint / dye, glitter. Ensure fastening is secure / reinforced.

Lesson 7 Evaluation

Children comment on work using visual language and use/ display covers. What are they pleased with? What did they learn?

How would they do things differently next time? What skills would they improve ? How could the cover be improved?

Year (End of Year Expectations)

To be able to use a variety of stitches

To be able to reinforce and create padding

To be able to cut and shape materials carefully