Year Group: 5	Unit: Textiles: Sewing joining fabric and using stitching to embellish

National Curriculum Aims
The national curriculum for design and technology aims to ensure that all pupils:
- develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world
- build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users
- critique, evaluate and test their ideas and products and the work of others

Technical knowledge
- know how to form a variety of embroidery stitches
- know how to form a seam to join a fabric
- know how to attach a variety of fasteners

Product Outcome
Make a pencil case, using a fastener and a stitched pattern.

Prior Learning: running stitch, blanket stitch and decorative stitch patterns

Curriculum	Learning Intention/possible activities	Knowledge and Key Vocabulary
Investigate and Evaluate - investigate and analyse a range of existing products	What makes a good pencil case? Investigate different types of pencil cases. Discuss materials used to make them. Discuss period of time they may have been used. Evaluate how effective they are at holding contents.	**Knowledge:** – Annotated sketches inform manufacture. Any embellishments must be labelled clearly. – A paper template for a pencil – Know actual measurements and seam allowances should be made as a prerequisite to template making. – Stitching secures two pieces of fabric securely. – How different fasteners can be used to secure the pencil case.
Design - 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 - generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams,	How can I make my design appealing? Aim my design criteria at a specific group of people. Consider the aesthetics of the pencil case. Compose a design criterion that refers to the functionality of the pencil case. Create an innovative design. Design with the target market in mind. Listen to other people's ideas. Sketch designs from different angles.	**Vocabulary:** Running stitch, blanket stitch Cross stitch, Velcro, press studs, buttons, ribbon felt, needles, different threads, scissors, fabric glue

prototypes, pattern pieces and computer-aided design	Add detailed annotations to design ideas.
Make ➢ select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately ➢ select from and use a wider range of materials and components, including construction materials, textiles according to their functional properties and aesthetic qualities	Can I sew a functional fastening? Transfer measurements onto squared paper. Accurately cut out template. Explain why templates are necessary. Use different stitches to complete the design of the pencil case. Select and attach appropriate fastener considering functionality.
Evaluate ➢ evaluate their ideas and products against their own design criteria and consider the views of others to improve their work ➢ understand how key events and individuals in design and technology have helped shape the world	Does my design meet the criteria? Evaluate product against design criteria. Refer to design criteria to support choices of stitches and fastenings. Explain how effectively the design meets the criteria. Evaluate any changes made to the product.

Thinking Deeper: Explore the different fastenings used on everyday clothes, such as coats and cardigans. How are they suited to the garment?

Links to other subjects:

- Subject Specific links – Maths, measuring
- Personal Development – resilience (designs not always working out the way we had planned)
- SMSC –designing a project aimed to be inclusive of all children
- Cultural Capital – to explore other pencil case containers from other periods of time
- Careers – sewing machinists , designers
- British Values – mutual respect when evaluating products designed
- Equality – designing with consideration of disabilities