Medium-Term Planning
Subject: D&T

Term and Year:	Spring 1 2022
Teacher:	Miss O'Neil
Subject:	D&T
Vocabulary that will be taught:	• Stitch • Applique • Running stitch • Thread • Cross stitch • Felt • Cotton • Wadding

National Curriculum Objectives:

DT2/1.1a   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

DT2/1.1b   generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design

DT2/1.2a   select from and use a wider range of tools and equipment to perform practical tasks accurately

DT2/1.2b   select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

DT2/1.3a	investigate and analyse a range of existing products
DT2/1.3b	evaluate their ideas and products against their own design criteria and consider the views of others to improve their work
DT2/1.3c	understand how key events and individuals in design and technology have helped shape the world

D&T Skills that will be taught and assessed:

• Designing and making a template from an existing cushion and applying individual design criteria
• Problem solving by suggesting potential features on a Micro: bit and justifying my ideas
• Developing design ideas for a technology pouch
• Drawing and manipulating 2D shapes, using computer-aided design, to produce a point of sale badge
• Writing design criteria for a product, articulating decisions made
• Designing a personalised Book sleeve
• Writing design criteria for a programmed timer (Micro:bit)
• Exploring different mindfulness strategies
• Applying the results of my research to further inform my design criteria
• Developing a prototype case for my mindful moment timer
• Using and manipulating shapes and clipart, using computer-aided design (CAD), to produce a logo
• Following a list of design requirements

	Focus of each lesson 'Can I...' Statement(s)	Activities/Key points
Lesson 1	LO: To learn how to sew cross-stitch and appliqué • I can use cross stitch • I know how to appliqué • I can reflect on techniques used	• Discuss the different types of stitches. • Hem a piece of fabric and then add the applique shape.

Lesson 2	LO: To design a product and its template • I can design a cushion • I can use a paper template • I can cut fabric accurately	• Discuss the design. • Follow the design criteria to create the design.
Lesson 3	LO: To decorate fabric using appliqué and cross stitch • I can follow a design criteria • I can use cross stitch • I can add appliqué	• Discuss how to decorate the cushion in line with the design criteria and our design.
Lesson 4	LO: To assemble your cushion • I can use stitches to join fabrics • I can leave space for a seam • I understand why some products are turned inside out after sewing	• Discuss the stitches needed to create their cushion. • Children to complete their cushions.