CURRICULUM CORE KNOWLEDGE PLAN

SUBJECT: Design Technology TEXTILES YEAR GROUP:` 7 DATE: 2024/2025

Term and unit	Core knowledge	Core skills	Core Vocabulary	Revisiting prior knowledge	Links to Walney Ways & Employability skills/Careers
Autumn Term into Spring Term **All About me Wall Hanging**	**Design** Identify and solve their own design problems and understand how to reformulate problems given to them **Make** Select from and use specialist tools, techniques, processes, equipment and machinery precisely, including computer-aided manufacture Select from and use a wider, more complex range of materials, taking into account their properties. **Evaluate**	To design to a given design brief using annotation techniques to communicate design ideas. Students will develop an understanding of surface decoration- batik, Applique, fabric paints/ pens and embroidery stitches. Students will develop skills to produce a range of embroidery stitches- running, cross, back, chain, blanket, lazy daisy stitches to add decoration and textures. Students will develop skills to cut out accurately- some students will begin to use pattern pieces.	Batik, Applique, Embroidery, Surface decoration, Natural Fabrics Textiles Design brief Design Ideas Initial Designs Annotation Needles Embroidery threads Fabric Shears Cotton Fabric Identity	*Key stage 2* *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, prototypes, pattern pieces and computer-aided design* *Make* *select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping,*	**Walney Ways** Wider thinking Self-motivated Communicative Aspirational Curious Resilient **Employability.** Customer/ client service and commercial business awareness. Organisation, planning and time management. Self awareness Problem solving Team Work

	Analyse the work of past and present professionals and others to develop and broaden their understanding **Technical knowledge** Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions	Students will learn about natural fabrics, their origin and properties. Students will understand the importance of textiles within the design technology industry.		*joining and finishing], accurately* *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 Evaluate* *investigate and analyse a range of existing products* *evaluate their ideas and products against their own design criteria and consider the views of others to improve their work*	Independence.
Spring term into Summer term. POP Art Inspired TOTE Bag	**Design** Identify and solve their own design problems and understand how to reformulate problems given to them	Students will develop an understanding natural and manmade fabrics. Students will develop an understanding of sustainability with regards to packaging.	Design Ideas Initial Designs Developed Designs Natural Fabrics	Developing design and annotation skills from Autumn term and spring 1. Developing hand embroidery techniques from Autumn term and spring 1 to join and combine fabrics securely.	**Walney Ways** Wider thinking Self-motivated Communicative Aspirational Curious Resilient

	Make Select from and use specialist tools, techniques, processes, equipment and machinery precisely, including computer-aided manufacture Select from and use a wider, more complex range of materials, components and ingredients, taking into account their properties **Evaluate** Analyse the work of past and present professionals and others to develop and broaden their understanding Investigate new and emerging technologies Understand developments in design and technology, its impact on individuals, society and the environment, and the	Students will develop an understanding of sustainability in textiles. Students will develop an understanding of different ways to join and combined fabrics using embroidery stitches. Students will understand what the term applique means. Students will understand the process of tie dye to create different patterns and effects. Students will make a simple pattern Pieces to create a pop art design for their bag. Students will cut and mark out their tote bag with accuracy. Students will join their tote bag using a straight stitch on the sewing machine to create seams.	Man- Made Fabrics Sustainability Recycling Surface decoration Applique Tie Dye Batik Embroidery Pattern Pieces Sewing machine Needles Pins Fabric Shears	Developing an understanding of surface decoration techniques from previous term. Developing machine techniques enabling students to use the sewing machines independently to join and combine fabrics securely and accurately. Continuing to develop understanding of natural fabrics from the previous term. Developing research techniques from KS2.	**Employability.** Customer/ client service and commercial business awareness. Organisation, planning and time management. Self-awareness Problem solving

	responsibilities of designers, engineers and technologists **Technical knowledge** Understand and use the properties of materials and the performance of structural elements to achieve functioning solutions				