



Markland Hill Topic Overview for DT- UKS2 Year A

Autumn	Spring	Summer
The quilts of Gee's Bend Textiles - sewing project Design 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 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 End points • I can explore and research different Gees Bend quilts • I can use diagrams considering geometric designs • I can cut materials with appropriate tools depending on the toughness of the material being used. • I can cut materials to create an appropriate product that is strong enough for the design summary. • I can join materials using a combination of stitches for example: back stitch, invisible stitching etc.		Greek Masks/ Pottery StructureDesign 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, joining and finishing], accurately Evaluate evaluate their ideas and products against their own design criteria and consider the views of others to improve their work Technical Knowledge apply their understanding of how to strengthen, stiffen and reinforce more complex structures End Points • I can explore designs pf Greek masks/pottery and create preliminary sketches based on these. • I can explore and recognise different structures in the environment, taking notes and gathering ideas as inspiration for my own work. For example: furniture and buildings • I can design and create intricate patterns and texture using a combination of pinch, slab and coil and selecting the correct tools to make my design. • I can create slip to add layers to my clay design. • I can solve problems and improve faults in my design. (collapsing, not sticking, drying out) • I can finish my work with paint glaze/polish.

I can help to craft a small sample quilt and review the process as it progresses; making changes where appropriate.		
Design Make Evaluate Select research generation seam, seam allowance, wadding, reinforce, right side, wrong side, hem, template, pattern pieces, name of textiles and fastenings used, pins, needles, thread, pinking shears, fastenings, assemble flexible		Design Make/ create Evaluate shell structure, three-dimensional (3-D) shape, net, cube, cuboid, prism, vertex, edge, face, length, width, breadth, capacity, marking out, scoring, shaping, tabs, adhesives, joining, assemble, accuracy, material, stiff, strong, reduce, reuse, recycle, corrugating, ribbing, laminating, font, lettering, text, graphics, decision