

Design and Technology
Medium Term Plan – Da Vinci Group
Spring Term (1) 2017-18
QUILTS (Textiles Unit)

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------|----------|---------|---------|---------|---------|-------|--------------|----------|--------|------|----------------|----------------|------|--------|--------------|--------|--------|-------|------|---|
| <p>Key Learning Objectives</p> <ul style="list-style-type: none"> - To understand what a quilt is - To consider the needs of people affected by natural disasters - To be able to thread and use a sewing machine - To develop knowledge of pattern - To create a clear and concise design brief - To investigate the properties of materials - To make informed and reasoned choices - To critically evaluate work | <p>Key Processes</p> <ul style="list-style-type: none"> - Knowledge and application of shape - Design processes - Creation of pattern - Composition development - Cutting and joining fabric - Using a sewing machine - Tessellation of shapes - Pinning - Sewing techniques including seam allowance | | | | | | | | | | | | | | | | | | | | | |
| <p>Key Vocabulary</p> <table border="0"> <tr> <td>Colour</td> <td>Repeat</td> <td>Quilting</td> </tr> <tr> <td>Pattern</td> <td>Corners</td> <td>Wadding</td> </tr> <tr> <td>Boarder</td> <td>Pedal</td> <td>Bias Binding</td> </tr> <tr> <td>Evaluate</td> <td>Needle</td> <td>Warp</td> </tr> <tr> <td>Colour palette</td> <td>Seam Allowence</td> <td>Weft</td> </tr> <tr> <td>Bobbin</td> <td>Design Brief</td> <td>Stitch</td> </tr> <tr> <td>Thread</td> <td>Quilt</td> <td>Foot</td> </tr> </table> | Colour | Repeat | Quilting | Pattern | Corners | Wadding | Boarder | Pedal | Bias Binding | Evaluate | Needle | Warp | Colour palette | Seam Allowence | Weft | Bobbin | Design Brief | Stitch | Thread | Quilt | Foot | <p>Curriculum Links</p> <p>English- communicating ideas, opinions and reasoning Maths- shape, space and measure Geography- humanitarian needs after natural disasters Science- Material properties PSHE- working alongside and responding to each other, valuing the opinions of others RE- considering needs of others</p> |
| Colour | Repeat | Quilting | | | | | | | | | | | | | | | | | | | | |
| Pattern | Corners | Wadding | | | | | | | | | | | | | | | | | | | | |
| Boarder | Pedal | Bias Binding | | | | | | | | | | | | | | | | | | | | |
| Evaluate | Needle | Warp | | | | | | | | | | | | | | | | | | | | |
| Colour palette | Seam Allowence | Weft | | | | | | | | | | | | | | | | | | | | |
| Bobbin | Design Brief | Stitch | | | | | | | | | | | | | | | | | | | | |
| Thread | Quilt | Foot | | | | | | | | | | | | | | | | | | | | |
| <p>Assessment Methods</p> <p>Observations of pupils noted as work on project Physical work on paper and in sketchbooks Photographs/Video Evaluation of process and completed project against individual pupils' targets Questioning of and discussion with pupils as project progresses</p> | | | | | | | | | | | | | | | | | | | | | | |

| Week | Lesson Topic | Activities | Resources |
|--------------------------------|---|--|--|
| One 18/01/18 SSA Meeting | Introduction to Topic Exploration of Existing Quilts | Starter- Baselining Assessment- what do we know? Main 1- What is DT Textiles? What are quilts? Exploring existing quilts and their properties. Descriptive and technical language. Overview of topic. How does this link to CLD topic of natural disasters? Main 2- n/a Plenary- Define a 'quilt' | Quilt Examples Descriptive Language Symbols Camera Sketchbooks |
| Two 25/01/18 | Properties of Textiles Design Brief | Starter- Lucky dip fabric bag description game Main 1- What textiles would be good to use for a quilt and why? Main 2- Look at an example design brief- key features- and create own for project. To include user, use and both practical and visual design criteria. Plenary- Review and Refine Design Brief | Bag of assorted textiles Descriptive Language Symbols Sketchbooks Example Design Brief |
| Three 01/02/18 | Quilting Patterns Designing and Pattern Making | Starter- Look at example quilts- pick out shapes and describe patterns- link to previous topic- mosaic. Main 1- Try out different shape patterns for quilts- paper shapes and tessellate. Main 2- Select chosen shape (shapes) and create pattern piece. Select materials for front (check eligibility with design criteria) Plenary- Group discussion- share choices made and why. | Example Quilts Patterns Images Shape Blocks Coloured Paper Sketchbooks Fabric Selection |
| Four 08/02/18 | Fabric Cutting | Starter- Revisit fabric choices and pattern designs. Main 1- Using fabric effectively. Marking fabric for cutting, Considerations of patterned fabric. Use of fabric scissors. Cut fabric. Main 2- Use of fabric scissors. Cut fabric. Plenary- Layout cut pieces as per design. | Sketchbooks Fabric Selection Pattern Pieces Tailors Chalk/air pens Fabric scissors |
| Five 22/02/18 | Sewing Machine Skills | Starter- Label the sewing machine parts challenge Main 1- How to thread and use a sewing machine. Have a go and instruct others. Health and safety considerations. | Sewing machine pic and labels (symbols) Sewing machines |

| | | | |
|-------------------|---------------------------------|---|---|
| SSA Meeting | | <p>Main 2- n/a</p> <p>Plenary- Step by step instructions.</p> | <p>Pedals</p> <p>Thread and bobbins</p> <p>Scrap fabric- calico</p> |
| Six 08/03/18 | Fabric Joining | <p>Starter- Revisit sewing machine diagram and thread a machine as a group.</p> <p>Main 1- Techniques for joining fabrics. Load own bobbins and thread own machines. Pin pieces and join using sewing machine.</p> <p>Main 2- Complete the joining of fabric pieces.</p> <p>Plenary- Share work so far- group critique.</p> | <p>Sewing machine pic and labels (symbols)</p> <p>Sewing machines</p> <p>Thread and bobbins</p> <p>Fabric and scissors</p> <p>Sketchbooks</p> |
| Seven 15/03/18 | Quilting, Backing and Finishing | <p>Starter- Look at how example quilts have been quilted- the difference between quilting and being stitched together.</p> <p>Main 1- Demo how to add wadding and to quilt. Quilt- along lines and/or pattern/random.</p> <p>Main 2- Demo how to back and edge. Back and edge on sewing machines.</p> <p>Plenary- Any improvements we need to make the best can be?</p> | <p>Sewing machines</p> <p>Thread and bobbins</p> <p>Fabric and scissors</p> <p>Sketchbooks</p> <p>Wadding</p> <p>Backing Fabric</p> <p>Bias Binding</p> |
| Eight 22/03/18 | Evaluating | <p>Starter- Group spoken evaluation. Good practice- extending answers.</p> <p>Main 1- Complete any last bits quilt and any outstanding sketchbook work.</p> <p>Main 2- Individual evaluation.</p> <p>Plenary- Group share/celebration.</p> | <p>Completed quilts</p> <p>Prompt sheet</p> <p>Sketchbooks</p> <p>Photos finished pieces</p> |