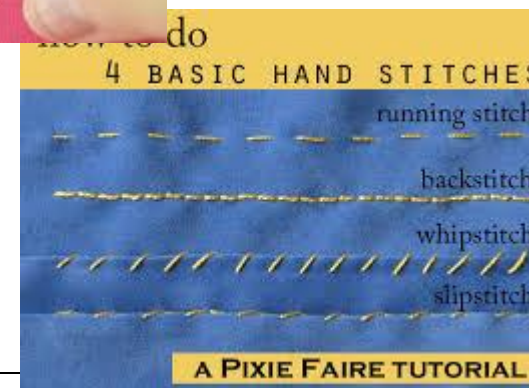
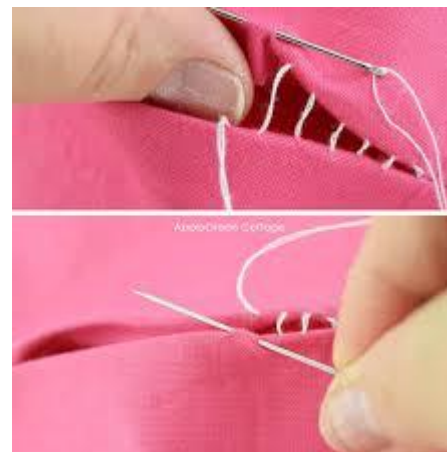




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|----------------------------|---------------------------------------|------------------------------------|----------------|
| <b>Knowledge Organiser</b> | <b>Subject: Design and Technology</b> | <b>Topic: Fashion and Textiles</b> | <b>Year: 5</b> |
|----------------------------|---------------------------------------|------------------------------------|----------------|

| <p><b><u>Key Knowledge</u></b><br/> <b><u>Technical knowledge I have already learnt about fashion and textiles</u></b></p> <p>What is Fashion?<br/> Fashion is all about how we dress and express ourselves through our clothing. It includes the different styles of clothes we wear—like shirts, trousers, dresses, and coats.</p> <p>Weaving is a method of textile production in which two distinct sets of yarns or threads are interlaced at right angles to form a fabric or cloth.</p>   | <p><b><u>Key Learning</u></b></p> <p>What is Fashion and Textiles?<br/> Fashion and textiles are all about creating and designing things that we wear and use in our daily lives. Textiles are the materials, like fabric, that we use to make clothes, bags, and other items. Fashion involves how we choose to put those materials together to make them look good and serve a purpose.</p> <p>What Is Sewing?<br/> Sewing is the process of joining two or more pieces of fabric together using a needle and thread.</p> <p>Here are some sewing techniques you might learn:</p> <p>Running Stitch: The simplest stitch, where you take the needle in and out of the fabric in a straight line.<br/> Backstitch: A strong stitch that goes back and forth, making sure your fabric stays together nicely.<br/> Whip Stitch: A stitch that goes around the edges of fabric to keep it from fraying.</p> <p>Stitches:<br/> <a href="https://www.youtube.com/watch?v=1FknfumFPX8">https://www.youtube.com/watch?v=1FknfumFPX8</a></p> | <p><b><u>Disciplinary Skills</u></b></p> <ul style="list-style-type: none"> <li>• Generate ideas through brainstorming and identify a purpose for their product.</li> <li>• Draw up a specification for their design.</li> <li>• Select appropriate materials, tools and techniques.</li> <li>• Use skills in using different tools and equipment safely and accurately.</li> <li>• Evaluate a product against the original design specification.</li> </ul> <table border="1" data-bbox="1272 587 2154 1310"> <tr> <th colspan="3"><b>Key Concepts</b></th></tr> <tr> <td> <b>Design-</b><br/> 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. </td><td> <b>Make-</b><br/> 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 and ingredients, according to their functional properties and aesthetic qualities. </td><td> <b>Evaluate –</b><br/> 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. Understand how key events and individuals in design and technology have helped shape the world. </td></tr> </table> | <b>Key Concepts</b> |  |  | <b>Design-</b><br>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. | <b>Make-</b><br>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 and ingredients, according to their functional properties and aesthetic qualities. | <b>Evaluate –</b><br>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. Understand how key events and individuals in design and technology have helped shape the world. |
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| Key Vocabulary |                                                                                                                           |
|----------------|---------------------------------------------------------------------------------------------------------------------------|
| Fabric         | A cloth or other material produced by weaving or knitting fibres.                                                         |
| Sew            | Join, fasten, or repair (something) by making stitches with a needle and thread or a sewing machine.                      |
| Stitch         | A loop of thread or yarn resulting from a single pass or movement of the needle in sewing, knitting, or crocheting.       |
| Weave          | Form (fabric or a fabric item) by interlacing long threads passing in one direction with others at a right angle to them. |
| Mark out       | To measure and mark where a piece of material needs to be cut or shaped.                                                  |



| Linking Thinking Across Our Learning Journey |                                       |                                       |                                         |                                              |                      |                            |
|----------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------------|----------------------------------------------|----------------------|----------------------------|
| Early Years                                  | Year One                              | Year Two                              | Year Three                              | Year Four                                    | Year Five            | Year Six                   |
| Art Skills- Exploring Materials              | Science- Exploring everyday materials | Science- Exploring everyday materials | Science- Forces and magnets (Materials) | Science- Circuits and conductors (Materials) | Fashion and Textiles | Making African instruments |