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| **Goonhavern Primary School- Design Technology** |
| **TOPIC: DT** | **YEAR: 4** | **STRAND: Textiles**  |

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| **What should I know already?** | **What will I know by the end of the unit?** |
| * A sock puppet is made out of sock and can be used using your hand
* There are different types of materials
* Scissors need to be used carefully especially in a busy classroom
* Some materials are harder to cut
* I can use a template to help me with my design
* I know how to create a simple stitch using a needle and thread
* How to create a running stitch
* How to use a pattern for my design
 | **Design** * A design needs to be backed up by research and fit for its purpose
* I can choose a design based on its ability to meet its purpose:
* Who will use it?
* How useful is my design?
* How will neoprene enhance this product
* A pattern is the template from which the parts of a garment are traced onto fabric before being cut out and assembled.
* Patterns are usually made of paper, and are sometimes made of sturdier materials like paperboard or cardboard if they need to be more robust to withstand repeated use.

**Make*** Scissors can be used to cut fabric and sharper scissors may be needed for thicker/more rigid materials
* A pattern needs to be used during the making stage to ensure both mittens are the same size and shape.
* Stitching will need to be done on the inside of my design

**Evaluate** I could make my mittens better by:* Using a different material
* Using a stronger material
* Making it stronger by using more stitches or tying it tighter
* Stitching closer together to ensure no gaps
* There are many neoprene products out there, I can compare mine to these

**Technical knowledge** * Sewing is stitching cloth, leather, furs, or other materials, using a needle and thread.
* Sewing can be done on a sewing machine, or by hand.
* "Plain" sewing is mostly done to make or mend clothing and household furnishings such as curtains, sheets, upholstery, and table linens.
* Backstitch - sturdy hand stitch for seams and decoration.
* Running stitch is a simple needlework stitch consisting of a line of small even stitches which run back and forth through the cloth without overlapping.
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| **School Values** |
| **Five Ways to Wellbeing** |

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| **Vocabulary**  |
| **Fabric**  | A cloth material  |
|  **Felt**  | A thick and soft fabric  |
| **Rigid**  | Does not easily move/mould/cut  |
| **Design**  | a plan or drawing produced to show the look and function or workings of a building, garment, or other object before it is made. |
|  **Template**  | a shaped piece of rigid material used as a pattern for processes such as cutting out, shaping, or drilling |
| **Model**  | a thing used as an example to follow or imitate |
| **Textiles**  | A type of cloth or woven fabric |
| **Sewing**  | The action that joins together  |
| **Needle**  | a very fine slender piece of polished metal with a point at one end and a hole or eye for thread at the other, used in sewing. |
| **Thread**  | a long, thin strand of cotton, nylon, or other fibres used in sewing or weaving. |
| **Running stitch**  | a simple needlework stitch consisting of a line of small even stitches which run back and forth through the cloth without overlapping. |
| **Neoprene**  | a synthetic polymer resembling rubber, resistant to oil, heat, and weathering |

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| **Image/diagram that helps me to articulate my knowledge/understanding**  | **Investigate!** |
|  | Recycled Neoprene projects: Chromebook cases, pencil cases, mobile phone cases etc.. Seal. Neoprene book bags. |