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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. |