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|  **Year 4 – Design and Technology – Textiles**  |
| What should I already know? | What am I going to learn in this unit? | Vocabulary I need to know |
| * I can use different techniques to cut and join paper and card.
* I can explain the properties of different 2D and 3D shapes.
* I can investigate and evaluate a range of different shell products.
* I can generate ideas to create a product that meets set criteria.
* I can analyse existing products for their effectiveness.
* I can create a design using annotated sketches on Microsoft Word to communicate my ideas.
* I can order the steps to make my product.
* I can use appropriate tools to measure, mark, cut, score and assemble my product.
* I can use Microsoft Word to create finishing products for my design.
* I can test and evaluate my product based on the design criteria.
 | * I know what is needed to make an electrical circuit.
* I know explain what a LED is.
* I know that a battery contains stored electricity and can be used to power products.
* I know that breaks in a circuit will stop it from working.
* I can create a working LED circuit using pressure as a switch.
* I can thread needles independently.
* I can use a running stitch and a backstitch accurately.
* I can produce a product plan for a purpose.
* I can persevere and adapt work when original ideas do not work.
* I know which materials are likely to give the best outcome.
* I can evaluate a product for both appearance and purpose.
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| Product  | The final piece of what you are making. E.g. your decoration |
| LED | Light Emitting Diode |
| Pressure Circuit  | A box that contains an electrical circuit that becomes complete when you press down. |
| Threading | When you put the thread through the eye of the needle so you can sew with it.  |
| Materials  | The different things you use to create the product e.g. felt  |
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