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| **Year 6 Design and Technology – Construction with Electrics – Doodlers** | | |
| What should I already know? | What am I going to learn in this unit? | Vocabulary I need to know |
| Textiles   * I can give examples of how different designers and brands have upcycled items of clothing. * I can create different designs that use the materials I have been given. * I can use exploded diagrams to show different levels of detail with my design. * I can select or reuse a fastening for a purpose. * I can create a paper prototype of my design to turn into pattern pieces. * I can accurately cut my pattern pieces. * I can use a range of appropriate stitches to hold my design together securely. * I can add decorative detail to make my product appealing. * I can evaluate my product for purpose and visual appeal. | * I can analyse a product to work out how the different components work to make the product work. * I can name and explain how an electrical circuit works within a product. * I can explain how to ensure an electrical circuit is used safely in a product. * I can use an exploded diagram to explain how a product works. * I can explain which parts of a product affects its function. * I can explain who this product’s target user might be. * I can assemble a product and decide how best to make it. * I can create instructions about how to make a product for someone else to follow. * I can alter the way a product functions by tinkering with its configuration.   Diagram  Description automatically generated | |  |  | | --- | --- | | Appealing | Making something look attractive and exciting. | | Axle | Allows something to spin on a point. Like in an electric fan | | Component | The different parts that are needed to create something. | | Target User | The people or animals that a product has been designed for. E.g Children aged 7-9 | | Alter | Change something or part of something | | Functionality | What a product does and whether it does what it is supposed to. | | Analyse | When you study something to see what you can learn from it. | | Configuration | How things are put together and relate to each other so they meet their purpose. | |