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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 |

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| 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.  |

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