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| **Electrical and Mechanical Components** | **Design Skills** |
| * Can they use different kinds of circuit in their product?
* Can they think of ways in which adding a circuit would improve their product?
* Can they incorporate a switch into their product?
* Can they refine their product after testing it?
 | Developing, planning and communicating ideas | Working with tools, equipment, materials and components to make quality products | Evaluating processes and products |
| * Can they work within constraints?
* Can they follow and refine their plan if necessary?
* Can they justify their plan to someone else?
 | * Can they use tools and materials precisely?
* Do they change the way they are working if needed?
 | * How well do they test and evaluate their final product?
* Is it fit for purpose?
* What would improve it?
* Would different resources have improved their product?
* Would they need more or different information to make it even better?
* Does their product meet all design criteria?
* Did they consider the use of the product when selecting materials?
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