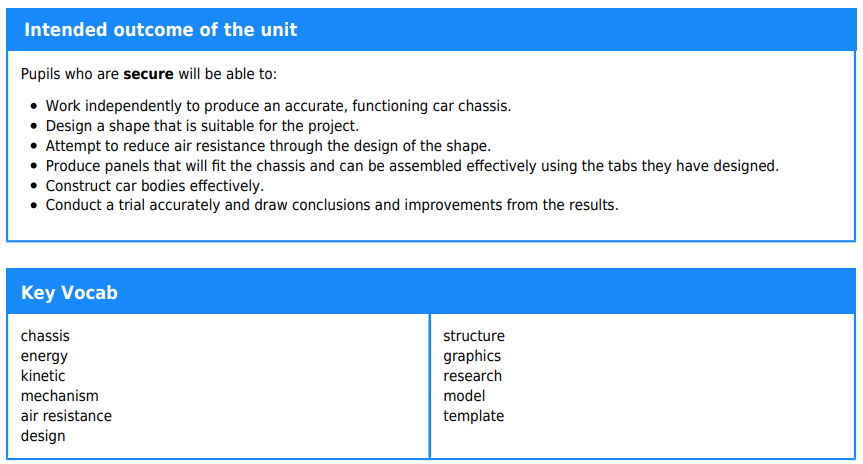
 **Trevose sequence of learning – DT Year B**

**Autumn term – Electrical systems: torches**

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| Unit outcomes |
| Pupils who are **secure** will be able to:   * Identify electrical products and explain why they are useful. * Help to make a working switch. * Identify the features of a torch and how it works. * Describe what makes a torch successful. * Create suitable designs that fit the success criteria and their own design criteria. * Create a functioning torch with a switch according to their design criteria. |

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| Key vocabulary | | | | | | | |
| battery  bulb  buzzer  conductor  circuit  circuit diagram  electricity  insulator | | series circuit  switch  component  design  design criteria  diagram  evaluation  LED | | | model  shape  target audience  input  recyclable  theme  aesthetics | | assemble  equipment  ingredients  packaging  properties  sketch  test |
| Lesson 1 | Lesson 2 | | Lesson 3 | Lesson 4 | |
| [Lesson 1: Electrical products](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/electrical-systems-torches/lesson-1-electrical-products-2/) | [Lesson 2: Evaluating torches](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/electrical-systems-torches/lesson-2-evaluating-torches/) | | [Lesson 3: Torch design](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/electrical-systems-torches/lesson-3-torch-design/) | [Lesson 4: Torch assembly](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/electrical-systems-torches/lesson-4-torch-assembly/) | |

**Summer term – Mechanical systems: slingshot car**



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| --- | --- | --- | --- |
| Lesson 1 | Lesson 2 | Lesson 3 | Lesson 4 |
| [Lesson 1: Chassis and launch mechanism](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/mechanical-systems-making-a-slingshot-car/lesson-1-chassis-and-launch-mechanism/) | [Lesson 2: Designing the car body](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/mechanical-systems-making-a-slingshot-car/lesson-2-designing-the-car-body/) | [Lesson 3: Making the car body](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/mechanical-systems-making-a-slingshot-car/lesson-3-making-the-car-body/) | [Lesson 4: Assembly and testing](https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/mechanical-systems-making-a-slingshot-car/lesson-4-assembly-and-testing/) |