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| **Lesson 1** | **Lesson 2** | **Lesson 3** | **Lesson 4** | **Lesson 5** |
| **Learning Objective** | | | | |
| I can classify and present data, identifying common appliances that run on electricity. | I can identify circuit components and build working circuits. | I can investigate whether circuits are complete or incomplete. | I can investigate which materials are electrical conductors or insulators | I can explain how a switch works in a circuit, build switches and report my findings. |
| **Knowledge Goals**  To identify electrical and non-electrical appliances.  Be able to group appliances based on whether they are mains- or battery-powered.  **Scientific skills:**  To use a Venn diagram to present their findings. | **Knowledge Goals**  To identify the different components (parts) in a circuit.  Build a working series circuit and draw labelled diagrams of their circuits. | **Knowledge Goals**  Explain how an energy ball works.  Make a prediction (what do you think will happen?) about whether a circuit will work.  Identify circuits as incomplete or complete circuits.  Explain what makes a complete circuit and why a circuit may be incomplete. | **Knowledge Goals**  say what electrical conductors and insulators are.  Be able to carry out an investigation where they only change one thing and keep everything else the same.  Test materials to identify if they are electrical conductors or insulators. | **Knowledge Goals**  Explain what a switch is and the job it does in a circuit.  Name some different types of switches.  Build a switch and use it in a series circuit.  Report their findings through giving a presentation. |