Year 9 Energy & Electricity - Learning Journey

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| Lesson | Oi! Remember this! |
| **1.) Sankey diagrams** | **Electricity is a form of energy transfer** |
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| **2.) Model electricity** | **Electrons flowing carry charge** |
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| **3.) Series circuits** | **Current is the same everywhere, voltage is shared by components** |
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| **4.) Resistance and Ohm’s Law** | **Resistance slows flow; V = I x R** |
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| **5.) Parallel circuits** | **Current is shared, voltage is the at each branch** |
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| **6.) Energy Transfer** | **Rate of transfer is Power (W)** |
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| **7.) Electromagnets and their uses** | **Current flowing induces Magnetic field** |
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| **8 & 9.) Investigate electromagnets** | **We can manipulate electromagnets** |
|  | 7 – Electricity (circuits, charge, V =IxR), Energy (Sankey diagrams)  8 – Magnetism (electromagnets) |
| **10.)Synoptic Assessment** |  |