

Combined Physics – Foundation

| Topic | Content |
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| CP8/9– Energy & Forces | Using GPE equation. |
| CP10 - Electricity & Circuits | Circuit diagrams and symbols. Using equations for resistance, charge, Energy transfer Core practical - Resistance in a wire Using a variable resistor |
| CP11 Static Electricity | Using the Charge equation |
| CP12 - Magnetism | Induced v permanent magnets, Magnetic materials. Field lines |
| Cp13 – Electromagnetic induction | National Grid – frequencies and supply Transformers. |
| CP14/15 – Particles, Forces and Matter | Kelvin scale Describing changes of state, Particle theory of solids, liquids and gases. Density equation |

Combined Physics – Higher

| Topic | Content |
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| CP8/9– Energy & Forces | Calculating Resultant forces Using KE equation Using Energy transferred equation Using work done equation |
| CP10/11 - Electricity & Circuits | Core Practical - Resistance in a wire Using a variable resistor Using equation for charge |
| CP12/13 - Magnetism | Magnetic field lines Flemings left hand rule Flux density |
| CP14/15 – Particles, Forces and Matter | Kelvin scale Describing changes of state, Particle theory of solids, liquids and gases. Density equation Core practical – investigating densities Core practical – investigating springs Using spring constant equation |