**Curriculum Overview for Physics**

**Year 11**

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| **Half Term 1: revision for paper 1**  Substantive knowledge:   * Energy stores and transfers * Efficiency * Circuits * Current, voltage and resistance * National grid and transformers * States of matter and changing state * Specific latent heat and heat capacity * Density * The atom and isotopes * Radioactivity * Ionising radiation * Dangers of radiation * (triple only) Fission and fusion   Disciplinary knowledge   * Calculation * Practical methods * Extended writting | Books | Decoding of key terminology  Skim reading  Etymology of key terms |
| Speech |  |
| Checklist RTL | Recall tests  Review sheet  End of unit test |
| Home | Review sheet  Memorising revisions cards and preparing revision cards for every lesson |
| **Half Term 2: revision for paper 2**  Substantive knowledge:   * Vectors and scalars * Distance time graphs and velocity time graphs * Newtons laws * (H) momentum * Wave features * Wave soeed core practicals * Refraction * (T) lenses and colour * Magnetism * Electromagnetism * Motors and generators.   Disciplinary knowledge   * Calculation * Practical methods * Extended writting | Books | Decoding of key terminology  Skim reading  Etymology of key terms |
| Speech |  |
| Checklist RTL | Recall tests  Review sheet  End of unit test |
| Home | Review sheet  Memorising revisions cards and preparing revision cards for every lesson |