**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 terminologySkim reading Etymology of key terms |
| Speech |  |
| Checklist RTL | Recall tests Review sheetEnd of unit test |
| Home | Review sheetMemorising 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
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