PHYSICS

Overview:

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| **Subject:** | Physics | **Exam board:** | AQA | **Lessons:** | 3 x lessons at KS4 5 x lessons at KS5 |

KS4 Components:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Topic 1** | **Topic 2** | **Topic 3** | **Topic 4** | **Topic 5** | **Topic 6** | **Topic 7** | **Topic 8** |
| Energy | Electricity | Atomic Structure | Waves | Forces | Space Physics | Matter | Magnetism and electromagnetism |

KS5 Components:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Topic 1** | **Topic 2** | **Topic 3** | **Topic 4** | **Topic 5** | **Topic 6** | **Topic 7** | **Topic 8** |
| Energy | Electricity | Fields | Electromagnetism | Errors and estimating | Mechanics | Nuclear Physics | Thermal mechanics |

Curriculum overview:

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| --- | --- | --- | --- | --- |
| **Term`** | **Year 10** | **Year 11** | **Year 12** | **Year 13** |
| 1 | Energy | Atomic structure | SI Units, Particles, Errors | Further mechanics and thermal physics |
| 2 | Electricity | Waves | Errors, Estimating, Electromagnetism | Fields and consequences |
| 3 | Electricity | Magnetism and electromagnetism | Waves, Mechanics | Fields and consequences, Nuclear physics |
| 4 | Particle model of matter | Space physics | Mechanics | Nuclear physics, Options\* |
| 5 | Forces | Key ideas and revision | Electricity | Revision |
| 6 | Atomic structure |  | Revision |  |