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| **Subject Title** | Physics A | | | | | |
| **Course Code** | H556 | **Exam board** | OCR | **Qualification**  (GCSE, A-Level, BTEC etc.) | | A-Level |
| **Units covered satisfactorily** | Module 2 – Foundations of physics 2.1 Physical quantities and units 2.2 Making measurements and analysing data 2.3 Nature of quantities  Module 3 – Forces and motion 3.1 Moton 3.2 Forces in action 3.3 Work, energy and power 3.4 Materials 3.5 Newton’s laws of motion and momentum Module 4 – Electrons, waves and photons 4.1 Charge and current 4.2 Energy, power and resistance 4.3 Electrical circuits 4.4 Waves 4.5 Quantum physics  Module 5 – Newtonian world and astrophysics 5.1 Thermal physics 5.2 Circular motion 5.3 Oscillations 5.4 Gravitational fields 5.5 Astrophysics and cosmology  Module 6 – Particles and medical physics | | **Units NOT covered satisfactorily** | | Module 6 – Particles and medical physics  6.1 Capacitors  6.2 Electric fields  6.3 Electromagnetism  6.4 Nuclear and particle physics  6.5 Medical imaging | |
| **CONTENT COVERED (%)**  Primary source - Exam = 80%  Secondary source - Eight End of Unit Tests = 20%  2 A level papers = 80%  **Your final grade will be informed through an assessment of evidence from:** | | | | | | |
| **Primary source (details of the exam / portfolio etc)** | | | | | | |
| **Source**- 2 hour selection from H556/01, H556/02 and H556/03 2020 November unseen paper from secure OCR website  **Content – modules 2,3,4,5**  **Timing**- 100 marks, 2 hours  The exam will have 15 multiple choice questions and 9 structured questions from across the specification ranging from 6 mark to 14 mark questions. The exam will include synoptic questions from H556/03.  **Rationale**- The aim is to test the students excluding the units mentioned above as not satisfactorily covered, as closely as possible to a public examination using the accepted mix of question types (calculations and questions requiring extended written response) and questions sourced in a balanced way from the specification. Origins of exam are secure. | | | | | | |
| **Secondary source (details of data from assessments and tests)** | | | | | | |
| **Secondary source**  Eight End of Unit Tests  5.1.1  5.1.4  5.2.1  5.3.1  5.4.1  5.4.2  5.5.1  5.5.3  Two A Level Papers – 80%  *2019 H556/01*  *Specimen H556/02* | | | | | | |
| **Other relevant sources (any other assessments which may be relevant to the final grade)** | | | | | | |
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