|  |  |
| --- | --- |
| **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 physics6.1 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 hoursThe 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 5.1.15.1.4 5.2.15.3.15.4.15.4.25.5.15.5.3Two A Level Papers – 80%*2019 H556/01* *Specimen H556/02*  |
| **Other relevant sources (any other assessments which may be relevant to the final grade)** |
|  |