**Key Stage 5 – A Physics – 2020/21**

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| **Welcome to Year 13**  **Marking:** Your work in this book will be checked for accuracy and quality. Gaps and weaknesses in your work will be highlighted by your teacher.  **TIM Assessments:** These will be completed every half term and based on performance tests using past paper style questions. The tests will be completed under exam conditions using the data / equation booklet available as in the external examinations. The test will be tutor marked and suggestions for improvements made by both tutors and students. Students then undertake the suggested improvements including corrections where necessary.  The timings in the latter part of the year may need to be adjusted due to the proximity of external examinations.  **Homework:** Will use past papers / textbook SAQs and exam style questions / objective booklets as appropriate.  Revision for performance tests will also be set. Students will need to be aware that considerable independent study each week is essential to review material covered in lessons.  **Assessment:** Performance tests will use a relevant range of past paper style questions appropriate to the point in the year. Students will be informed of the topics to be tested in each performance test to allow independent preparation.  **Examinations**  The two external module AS examinations are weighted as follows. (Data / formulae booklet provided).  Unit 3 15th June 2017 Thursday am 2 hours 15 minutes (25%)  Unit 4 21st June 2017 Wednesday am 2 hours (25%)  Unit 5 21st March 2017 Tuesday am Experimental Task 1 hour 30 minutes (5%)  Unit 5 24th March 2017 Friday am Practical Analysis Task 1 hour (5%) | | | | | | |
| Year : | Autumn Term | | Spring Term | | Summer Term | |
| Topic(s)  Timings may be adjusted as  appropriate.  For additional details, please see student objective booklet for Unit 3 and Unit 4. | ED:   * Kinetic theory * Thermal Physics * Nuclear decay * Nuclear energy   PG   * Circular motion * Vibrations * Electrostatic and gravitational fields of force (Unit 4)   Practical work and Lab Book. | | ED:   * Orbits and the wider Universe * Option Medical Physics   PG:   * Capacitance * Magnetic fields * Electromagnetic induction   Practical work and Lab Book.  Preparation for:   * Experimental Task * Analysis Task | | Revision using:   * past papers, * revision booklets, * objective booklets * Revision textbook. | |
| TIM  Assessment | Performance Test (1) | Performance  Test (2) | Performance Test (3) | Performance Test (4)  Unit 5  Experimental Task  Practical Analysis Task | Mock Exams  Unit 5  Experimental Task  Practical Analysis Task | N/A  Examinations  Unit 3 (135 minutes)  Unit 4 (120 minutes) |
| Homework  Half term 1 | Relevant SAQs / Exam Style Questions from text book.  Independent study of objective and revision booklets.  Past paper questions as appropriate. | | Relevant SAQs / Exam Style Questions from text book.  Independent study of objective and revision booklets.  Past paper questions as appropriate. | | Relevant SAQs / Exam Style Questions from text book.  Independent study of objective and revision booklets.  Past paper questions as appropriate. | |
| Homework  Half term 2 | Relevant SAQs / Exam Style Questions from text book.  Independent study of objective and revision booklets. Past paper questions as appropriate. | | Relevant SAQs / Exam Style Questions from text book.  Independent study of objective and revision booklets.  Past paper questions as appropriate. | | Relevant SAQs / Exam Style Questions from text book.  Independent study of objective and revision booklets.  Past paper questions as appropriate. | |