**Countdown Plan Year 11 Higher – 2022:**

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| **Subject:** | GCSE Science Trilogy |
| **Examination adaptations for this year:** | All equations given on Data Sheet, advanced notice of some content.  Both can be found by click on this file [2122 GCSE Exam Revision Resources](https://coundoncourt.sharepoint.com/:f:/s/science-team/Epu5HxyZGAhIhjceQXfdmmIBPIfoBR0KSATlRXiiegfM-g?e=oWzvaK) |

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| **Lesson Countdown** | | | |
| **Week beginning:** | **Double Lesson 1:** | **Double Lesson 2:** | **Single lesson** |
| 28/02/22 | Mock exams | | **Walking Talking Mock**  Chemistry Paper 1 |
| 07/03/22 | Mock exams | | |
| 14/03/22 | **Finishing Content**  P7 – Magnetic Poles  P7 - Magnetic Fields | **Finishing Content**  B6 Classification | **Walking Talking Mock**  Biology Paper 1 Questions |
| 21/03/22 | **Finishing Content**  P7 – Electromagnetism Including the Motor Effect Which is a focus point | **Walking Talking Mock**  Physics Paper 1 Questions | **Walking Talking Mock**  Physics Paper 2 Questions |
| 28/03/22 | **Finishing Content**  P7 – Motors | **Task 1**: Biology Feb Mock review (walking talking)  **Task 2**: Chemistry Feb Mock review (walking talking) | **Task 1**: Physics Maths skills Mock review (walking talking) |
| 04/04/22 | **Required Practical**  Biology focus  RP3 : Food tests  RP4 : Effect of pH on Enzymes | **Walking talking Mock** Chemistry Paper 2 | **Walking Talking Mock**  Biology Paper 2 Questions |
| 11/04/22 | Easter Holiday | | |
| 18/04/22 | Easter Holiday | | |
| 25/04/22 | **Required Practical** Chemistry Focus  RP10 – Temperature Change  **Require Practical**  Physics Focus  RP 21 Absorption and Radiation | **Required Practical**  Chemistry Focus  RP8 – Making Salts  RP9 – Electrolysis | **Revision**  **Biology paper 1**  4.1.2 Cell Division  4.2.2 Animal tissues, organs and organ systems. Ensure heart and coronary heart disease is covered. ***(NOT 4.2.3 Plant tissues, organs and organ systems)***  4.3.1.3 Bacterial Diseases ***(NOT Viral, protest or fungal diseases or 4.3.1.6 Human defense system)***  4.4.1 Photosynthesis ***(NOT 4.4.1.3 Uses of glucose from photosynthesis)***  ***(Also NOT 4.1.1.5 microscopes or 4.1.3 transport in cells)*** |
| 02/05/22 | X on **Bank Holiday**  Y band  **Revision.**  Individual student Focus | **Require Practical**  Chemistry Focus  RP11 – Rates of Reaction  RP12 - Chromatography | **Revision**  **Physics Paper 1**  6.1.1 Energy changes in a system, and the ways energy is stored before and after such changes  6.2.4 Energy Transfers ***(NOT 6.2.2 series and parallel circuits. 6.2.3 Domestic uses and safety)***  6.3.1 Changes of state and the particle model  ***(NOT 6.3.2 Internal energy and energy transfers)***  6.3.3 Particle model and pressure  6.4.1 Atoms and isotopes  6.4.2 Atoms and nuclear radiation |
| 09/05/22 | **Required Practical**  Biology focus  RP5 – Rates of Photosynthesis  RP7 – Sampling Techniques | **Revision**  **Chemistry paper 1**  5.2.2 How bonding and structure are related to the properties of substances  5.3.2 Use of amount of substance in relation to masses of pure substances  5.4.1 Reactivity of metals  5.4.2 Reactions of Acids  5.4.3 Electrolysis  5.5.1 Exothermic and endothermic reactions | **Revision**  **Biology Paper 2**  4.5.3 Hormonal control in humans ***(NOT 4.5.3.4 Contraception)***  4.6.1.2 Meiosis ***(NOT the rest of 4.6.1)***  4.7.2 Organisation of the ecosystem  4.7.3 Biodiversity and the effect of human interaction on an ecosystem ***(but NOT 4.7.3.3 Land Use or 4.7.3.4 Deforestation)***  ***(Also NOT 4.5.2 The human nervous system. 4.6.2 Variation and evolution. 4.6.3 The development of understanding of genetics and evolution)*** |
| 16/05/22 | **Required Practical**  Physics focus  RP 14 – Specific Heat Capacity  RP 16 – IV Characteristics | **Revision**  **Chemistry Paper 2**  5.6.1 Rate of reaction  5.6.2 Reversible and dynamic equilibrium  5.7.1 Carbon compounds as fuels and feedback  5.8.1 Purity, formulations and chromatography  ***(NOT 5.8.2 identification of common gases)***  5.9.1 The composition and evolution of the Earths atmosphere  5.10.1 Using the Earth’s resources and obtaining potable water | **Revision**  **Physics Paper 2**  6.5.1 Forces and their interactions  ***(NOT 6.5.3 Forces and elasticity)***  6.5.4.1 Describing Motion along a line  6.5.4.2 Forces accelerations and Newton’s Laws of Motion  ***(NOT 6.5.4.3 Forces and braking)***  6.5.5 Momentum (***Higher task so likely to be at end of paper)***  6.6.2 Electromagnetic Waves  ***(NOT 6.7.1 Permanent and induced magnetism, magnetic forces and fields)***  6.7.2 The Motor Effect |