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|  | **Autumn Term**  **Half term 1** | | | | **Autumn Term**  **Half term 2** | | | | | | **Spring Term**  **Half Term 1** | | | | | **Spring Term**  **Half Term 2** | | | **Summer Term**  **Half Term 1** | | | | **Summer Term**  **Half Term 2** | | |
| **Year 7** | **Young Scientist** | | **1.5 Matter** | | **1.2 Electromagnets** | | | | | **1.8 Organisms** | | | | **1.6 Reactions** | | **1.3 Energy** | | | **1.10 Genes** | | | **1.1 Forces** | | | **1.9 Ecosystems** |
| **Catholic Social Teaching** | The dignity of work and participation | |  | |  | | | | | Human dignity | | | |  | | Creation and environment | | | Human dignity | | |  | | | The common good |
| **Year 8** | **1.4 Waves** | | **1.7 Earth** | | **2.5 Matter** | | | | | **1.1 Forces** | | | | | **2.8 Organisms** | **2.7 Earth** | | | **2.3 Energy** | | | **2.9 Ecosystems** | | | **2.2 Electromagnets** |
| **Catholic Social Teaching** |  | |  | |  | | | | |  | | | | | The option for the poor | Creation and environment | | |  | | |  | | |  |
| **Year 9** | **2.4 Waves** | | **2.6 Reactions** | | **2.10 Genes** | | | **2.1 Forces** | | | **1 Atomic Structure (Chemistry)** | | | | | | **1 Energy (Physics)** | | | | **4 Health Matters (Biology)** | | | | |
| **Catholic Social Teaching** |  | |  | | Creation and the environment | | |  | | |  | | | | | | The common good | | | | The option for the poor | | | | |
| **Year 10 Biology** | **1 Cell Biology** | | | | | **3 Organ Systems** | | | | | | | | | | **2 Photosynthesis** | | | | | | | | **5 Coordination and Control part 1** | |
| **Catholic Social Teaching** |  | | | | | The common good | | | | | | | | | |  | | | | | | | |  | |
| **Year 10 Chemistry** | **2 Bonding and Matter** | | | | | **3 Chemical Calculations** | | | | | **4 Chemical Changes** | | | | | | | **5 Energy Changes** | | **6 Rates of Reaction part 1** | | | | | |
| **Catholic Social Teaching** |  | | | | |  | | | | | Care for creation | | | | | | |  | |  | | | | | |
| **Year 10 Physics** | **2a Electrical Circuits** | | | | | **2B Domestic Electricity** | | | | | **3 Particles** | | | | | | | | **4 Atomic Structure** | | | | | | |
| **Catholic Social Teaching** |  | | | | |  | | | | |  | | | | | | | | Triple: Human dignity | | | | | | |
| **Year 11 Biology** | **5 Coordination and Control part 2** | | | **6 Genetics** | | | **7 Variation and Evolution** | | | | | **8 Ecology in Action** | | | | **Final Revision** | | | **STUDY LEAVE** | | | | | | |
| **Catholic Social Teaching** |  | | | Human Dignity | | | Human Dignity | | | | | Creation and the environment | | | |
| **Year 11 Chemistry** | **6 Rates of Reaction part 2** | **7 Hydrocarbons** | | | **8 Chemical Analysis** | | | | **9 The Atmosphere** | | | | **10 Sustainable Development** | | |
| **Catholic Social Teaching** | Favourable option for the poor | Care for creation | | |  | | | | Common good | | | | Care for creation | | |
| **Year 11 Physics** | **5 Forces** | | | | **6 Waves** | | | | | | **7 Electromagnetism** | | | | |
|  |  | | | | Triple Science: Common good | | | | | |  | | | | |

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|  | **Autumn Term**  **Half term 1** | | | **Autumn Term**  **Half term 2** | **Spring Term**  **Half Term 1** | | | | **Spring Term**  **Half Term 2** | | | | | | | **Summer Term**  **Half Term 1** | | | | | | **Summer Term**  **Half Term 2** | | |
| **Year 12**  **Biology** | **Introduction/GCSE recap** | **1 Biological molecules** | | **2 Nucleic acids** | **6 Exchange** | | | | | | | **7 Mass transport** | | | | | | | | **Revision** | | **19 Population in ecosystems** | | |
| **Catholic Social Teaching** |  |  | |  | |  | | | | | | |  | | | | | | | | **Creation and Environment** | | | | |
| **Year 12**  **Biology** | **Introduction/GCSE recap** | **3 Cell structure** | | **4 Transport across cell membranes** | | **5 Cell recognition and the immune system** | | **8 DNA, genes and protein synthesis** | | | | | | **9 Genetic diversity** | | | **10 Biodiversity** | | | **Revision** | | **14 Response to stimuli** | | |
| **Catholic Social Teaching** |  | | |  | | | The Common good |  | | | | | | |  | | | Creation and environment | | | | |  | |
| **Year 13**  **Biology** | **11 Photosynthesis** | | **13 Energy and Ecosystems** | **12 Respiration** | **15 Nervous coordination and muscles** | | | | | **16 Homeostasis** | | | | | | | | | **Final revision** | | | | | **Study leave and exams** |
| **Catholic Social Teaching** | Creation and environment | | |  | |  | | | |  | | | | | | | | |  | | | | |  |
| **Year 13**  **Biology** | **17 Inherited change** | | | **18 Populations and evolution** | | **20 Gene expression** | | | | **21 Recombinant DNA technology** | | | | | | | | | **Final revision** | | | | | **Study leave and exams** |
| **Catholic Social Teaching** |  | | |  | | | Solidarity | | | | The Common good | | | | | | | |  | | | | | |

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|  | **Autumn Term**  **Half term 1** | | | **Autumn Term**  **Half term 2** | | | | | | | **Spring Term**  **Half Term 1** | | **Spring Term**  **Half Term 2** | | | | | | **Summer Term**  **Half Term 1** | | | | | | **Summer Term**  **Half Term 2** |
| **Year 12**  **Chemistry** | **1. Atomic structure** | | | | | **2.Amount of substance** | | **11. Introduction to organic chemistry** | | | **12 Alkanes** | | **13 Halogenalkanes** | | | **14. Alkenes** | | **15. Alcohols** | | | | | | **16. Organic analysis** | **Revision, exams and A2 – 17. Thermodynamics** |
| **Catholic Social Teaching** |  | | | | |  | |  | | | Care for Creation | | Solidarity | | |  | | Care for Creation | | | | | |  |  |
| **Year 12**  **Chemistry** | **3.Bonding** | | | | **5.Kinetics** | | | | **4.Energetics** | | **6.Equilibria** | | **7. Redox** | | **8. Periodicity** | | **9 Group 2** | | | | | **10 Group 7** | | | **Revision, exams and A2 -28. Amines** |
| **Catholic Social Teaching** |  | | | |  | | | |  | | Favourable option for the poor | |  | |  | |  | | | | |  | | |  |
| **Year 13**  **Chemistry** | **20. Electrode potentials** | **25. Nomenclature and isomerism** | | | | | **26 Carbonyl chemistry** | | | **27. Aromatic chemistry** | **23. Transition metals** | **24. Reactions of inorganic aqueous solutions** | | **32. Structure determination** | | **33. Chromatography** | | | | | **31. Organic synthesis and analysis** | | **Final revision and exams** | | |
| **Catholic Social Teaching** |  |  | | | | |  | | |  |  |  | |  | |  | | | | |  | |  | | |
| **Year 13**  **Chemistry** | **18. Kinetics** | | **29 Polymerisation** | | | | **30. Amino acids, proteins and DNA** | **21. Acids and bases** | | | | | | | **19. Kp** | **22. Periodicity** | | | | **Final revision and exams** | | | | | | |
| **Catholic Social Teaching** |  | |  | | | |  |  | | | | | | |  |  | | | |  | | | | | | |

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| **Year 12**  **Physics** | **Introduction/key skills** | | **1 Matter and Radiation** | | **2 Quarks and Leptons** | **3 Quantum Phenomena** | **4 Waves** | | | **5 Optics** | | | | **Revision** | | | **17 Circular Motion + start of 18 SHM** |
| **Catholic Social Teaching** |  | |  | | | Solidarity |  | | | | | | |  | | |  |
| **Year 12**  **Physics** | **12 Electric Current** | **13 DC Circuits** | | **6 Forces in Equilibrium** | | **7 On the Move** | **8 Newton’s Laws of Motion** | | **9 Force and Momen-tum** | | | **10 Work, Energy and Power** | | **11 Materials** | | **Revision** | **19 Thermal Physics + start of 20 Gases** |
| **Catholic Social Teaching** |  |  | |  | |  |  | |  | | |  | |  | |  |  |
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