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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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| **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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|  | **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****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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