**Curriculum Overview**

|  | **Autumn** | **Spring** | **Summer** |
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| **Year 7** | * **Practical Skills Unit** * **Space** * **Particles and Separation techniques** * **Electrical circuits** | * **The Periodic table 1** * **Cells & Microscopy 1** * **Digestion and the digestive system** * **Energy Fundamentals** | * **Human Reproduction** * **Energy and You** * **Ecosystems & Ecology** |
| **Year 8** | * **Genes and Evolution** * **Types of Reaction** * **Breathing** * **The Reactivity series** | * **Waves & Light** * **Acids and Alkalis** * **Waves & Sound** * **Respiration & Photosynthesis** | * **Forces** * **Magnets & Electromagnetism** |
| **Year 9** | * **Atoms and the Periodic Table 2** * **Cells and Microscopy 2** | * **Energy (Physics GCSE)** * **Organisation (Biology GCSE)** | * **Structure and Bonding (Chemistry GCSE)** * **Particle Model of Matter (Physics GCSE)** * **Atomic Structure (Physics GCSE)** |
| **Year 10** | * **Infection and Response (Biology GCSE)** * **Quantitative Chemistry (Chemistry GCSE)** * **Waves (Physics GCSE)** * **Recap of Organisation and Bioenergetics (Biology GCSE)** * **Chemical Changes (Chemistry GCSE)** * **Magnets & Electromagnets (Physics GCSE)** | * **Homeostasis & Response (Biology GCSE)** * **Energy Changes (Chemistry GCSE)** * **Rate and extent of chemical change (Chemistry GCSE)** * **Electricity (Physics GCSE)** * **Organic Chemistry (Chemistry GCSE)** | * **Organic Chemistry continued from Spring (Chemistry GCSE)** * **Chemical analysis (Chemistry GCSE)** * **Ecology (Biology GCSE)** * **Forces (Foundation content only)\*\* Higher tier candidates will study the higher tier content if selected when they enter Y11.** |
| **Year 11** | * **Homeostasis and Response (Biology GCSE)** * **Rates and extent of chemical change (Chemistry GCSE)** * **Organic Chemistry (Chemistry GCSE)** * **Chemical analysis (Chemistry GCSE)** * **Forces (Higher and Foundation) (Physics GCSE)** | * **Inheritance, Variation and Evolution (Biology GCSE)** * **Chemistry of the Atmosphere (Chemistry GCSE)** * **Using Resources (Chemistry GCSE)** * **Magnetism and Electromagnetism (Physics GCSE)** * **Space (Triple Physics ONLY GCSE)** | * **Revision and Exams** |