**SCIENCE Scheme of Work 2022-2023 - Year 10**

|  |  |  |
| --- | --- | --- |
| **AUTUMN TERM 1: SEPT - OCT** | **AUTUMN TERM 2: OCT - DEC** | **SPRING TERM 1: JAN - FEB** |
| **Chemical reactions C3**  **Predicting and identifying reactions and products C4** | **Cell level systems: B1.2**  **Organism level systems B3** | **Electricity P3**  **Magnetism and magnetic fields P4** |
| **C3.1** Introducing chemical reactions  **C3.2** Energetics  **C3.3** Types of chemical reactions  **C3.4** Electrolysis  **C4.1** Predicting chemical reactions  **C4.2** Identifying the products of chemical reactions | **B1.2** What happens in cells (and what do cells need)?  **B3.1** Coordination and control – the nervous system  **B3.2** Coordination and control – the endocrine system  **B3.3** Maintaining internal environments | **P3.1** Static and charge  **P3.2** Simple circuits  **P4.1** Magnets and magnetic fields  **P4.2** Uses of magnetism |
| **Working Scientifically** | | |
| **SPRING TERM 2: FEB – MAR** | **SUMMER TERM 1: APR - MAY** | **SUMMER TERM 2: JUN - JUL** |
| **Monitoring and controlling chemical reactions C5**  **Forces: P2.3** | **Physics on the move P8.1**  **Waves in matter P5** | **Photosynthesis B1.4**  **Community level systems B4** |
| **C5.1** Monitoring chemical reactions  **C5.2** Controlling reactions  **C5.3** Equilibria  **P2.3** Forces in Action | **P8.1** Physics on the move  **P5.1** Wave behaviour  **P5.2** The electromagnetic spectrum  **P5.3** Wave interaction | **B1.4** Photosynthesis  **B4.1** Ecosystems |