

|                    | Half Term | Year 7  | Year 8  | Year 9  | Year 10   | Year 11  |                    |   |  |                        |   |   |   |  |                       |                    |   |   |   |  |   |                 |                     |
|--------------------|-----------|---|---|---|---|--|--------------------|---|--|------------------------|---|---|---|--|-----------------------|--------------------|---|---|---|--|---|-----------------|---------------------|
| <b>Autumn Term</b> | 1         | Lab Safety<br>Particles and Elements<br>Introduction to Separation Techniques | Energy<br>Light and Sound<br>Solutions<br>Separation Techniques | Energy Stores and transfers<br><br>Elements, Compounds and The Periodic Table           | <p><b>Biology</b><br/>Cells Structure and Transport<br/>Cell division<br/>Organisation and the Digestive System<br/>Organising Animals and Plants<br/>Communicable Diseases<br/>Preventing and Treating Disease<br/>Non-Communicable Diseases<br/>Photosynthesis<br/>Respiration</p> <p><b>Chemistry</b><br/>Atomic Structure<br/>Periodic Table<br/>Structure and Bonding<br/>Chemical Calculations<br/>Chemical Changes<br/>Electrolysis<br/>Energy Changes</p> <p><b>Physics</b><br/>Conservation and Dissipation of Energy<br/>Energy Transfer by Heating<br/>Energy Resources<br/>Electric Circuits<br/>Electricity in the Home<br/>Molecules and Matter<br/>Radioactivity</p> | <p><b>Biology</b><br/>Human Nervous System<br/>Hormonal Coordination<br/>Homeostasis in Action (Triple)<br/>Reproduction<br/>Variation and Evolution<br/>Genetics and Evolution<br/>Adaptation, Interdependence and Competition<br/>Organising and Ecosystem<br/>Biodiversity and Ecosystems</p> <p><b>Chemistry</b><br/>Rates and Equilibrium<br/>Crude Oil and Fuels<br/>Organic Reactions (Triple)<br/>Polymers (Triple)<br/>Chemical Analysis<br/>The Earth's Atmosphere<br/>The Earth's Resources<br/>Using our Resources (Triple)</p> <p><b>Physics</b><br/>Forces in Balance<br/>Motion<br/>Force and Motion<br/>Force and Pressure (Triple)<br/>Wave Properties<br/>Electromagnetic Waves<br/>Light (Triple)<br/>Electromagnetism<br/>Space (Triple)</p> |                    |   |  |                        |   |   |   |  |                       |                    |   |   |   |  |   |                 |                     |
|                    | 2         | Introduction to Electricity and Magnetism                                     | Science of Farming  | Cells and Transport   |   |  | <b>Spring Term</b> | 3 | The Skeleton<br>Cells and Reproduction | Space<br>Organ Systems | Electric circuits and Mains<br>Electricity<br><br>Introduction to Structure and Bonding | 4 | Chemical Reactions<br><br>Acids and Alkalis | Reactions of Metals<br><br>Reactivity Series | Microbes and Diseases | <b>Summer Term</b> | 5 | Ecosystems<br>Plant Reproduction and Photosynthesis | Variation, Classification and Evolution | Forces<br><br>Earth and the Atmosphere | 6 | Forces<br>Rocks | Energy in Chemistry |
| <b>Spring Term</b> | 3         | The Skeleton<br>Cells and Reproduction  | Space<br>Organ Systems  | Electric circuits and Mains<br>Electricity<br><br>Introduction to Structure and Bonding |   |  |                    |   |  |                        |   |   |   |  |                       |                    |   |   |   |  |   |                 |                     |
|                    | 4         | Chemical Reactions<br><br>Acids and Alkalis                                   | Reactions of Metals<br><br>Reactivity Series                    | Microbes and Diseases   |   |  |                    |   |  |                        |   |   |   |  |                       |                    |   |   |   |  |   |                 |                     |
| <b>Summer Term</b> | 5         | Ecosystems<br>Plant Reproduction and Photosynthesis                           | Variation, Classification and Evolution                         | Forces<br><br>Earth and the Atmosphere  |   |  |                    |   |  |                        |   |   |   |  |                       |                    |   |   |   |  |   |                 |                     |
|                    | 6         | Forces<br>Rocks   | Energy in Chemistry   | Biodiversity and Human Impact   |   |  |                    |   |  |                        |   |   |   |  |                       |                    |   |   |   |  |   |                 |                     |