

## Science Curriculum Topic Overview

| Year Group   |      | Term 1  | Term 2  | Term 3   | Term 4   | Term 5  | Term 6   |                |
|--|------|---|---|--|--|---|--|----------------|
| <b>Year 7</b><br><i>CLF Curriculum</i>   |      | <ul style="list-style-type: none"> <li>Particle Model (Chemistry)</li> <li>Separation Techniques (Chemistry)</li> <li>Cells and organisation (Biology)</li> </ul> | <ul style="list-style-type: none"> <li>Atoms, elements and the Periodic Table (Chemistry)</li> <li>Forces (Physics)</li> <li>Nutrition and Digestion (Biology)</li> </ul> | <ul style="list-style-type: none"> <li>Energy Stores and Transfers (Physics)</li> </ul>                          | <ul style="list-style-type: none"> <li>Microbes and Disease (Biology)</li> <li>Reproduction (Biology)</li> </ul> | <ul style="list-style-type: none"> <li>Acids and Alkalis (Chemistry)</li> <li>Physical and Chemical Changes (Chemistry)</li> <li>Magnetism (Physics)</li> </ul> | <ul style="list-style-type: none"> <li>Electrical circuits (Physics)</li> </ul>                |                |
| <b>Year 8</b><br><i>CLF curriculum</i>   |      | <ul style="list-style-type: none"> <li>Chemical Reactions (Chemistry)</li> <li>Forces and Motion (Physics)</li> </ul>   | <ul style="list-style-type: none"> <li>Gas exchange (Biology)</li> <li>Waves (Physics)</li> </ul>   | <ul style="list-style-type: none"> <li>Evolution (Biology)</li> <li>Metals and reactivity (Chemistry)</li> </ul> | <ul style="list-style-type: none"> <li>Photosynthesis (Biology)</li> <li>Ecosystems (Biology)</li> </ul>         | <ul style="list-style-type: none"> <li>Earth and the Atmosphere (Chemistry)</li> </ul>  |  |                |
| <b>Year 9</b><br><i>CLF Curriculum</i><br><i>Starting Edexcel into Year 10</i> |      | <ul style="list-style-type: none"> <li>States of matter and separating (Chemistry)</li> <li>Key concepts in Biology</li> </ul>                                    | <ul style="list-style-type: none"> <li>Atomic Structure and the Periodic Table (Chemistry)</li> <li>Cells and Control (Biology)</li> </ul>                                | <ul style="list-style-type: none"> <li>Motion and Forces (Physics)</li> <li>Genetics (Biology)</li> </ul>        |  | <ul style="list-style-type: none"> <li>Conservation of energy (Physics)</li> <li>Natural selection and genetic modification (Biology)</li> </ul>                | <ul style="list-style-type: none"> <li>Waves (Physics)</li> <li>Bonding (Chemistry)</li> </ul> |                |
| <b>Year 10</b><br><i>CLF Curriculum</i><br><i>Edexcel GCSE</i>                 | BIO  | Key concepts Reteach  | Health and disease  |  | Plant structures   |   | Ecosystems and material cycles   |                |
|  | CHEM | Key concepts Reteach  | Chemical Change   | Calculations involving masses  | Metal extraction and equilibria  | Groups on the periodic table  |  |                |
|  | PHY  | Light and the electromagnetic spectrum  | Radioactivity   | Forces recap   | Forces doing work  | Forces and effect   | Waves  | Particle model |
| <b>Year 11</b><br><i>Tewkesbury Academy Curriculum</i><br><i>AQA GCSE</i>      | BIO  | Ecology   | Inheritance, variation and evolution inc. Classification  |  |  |   |  |                |
|  | CHEM | Rates continued from Year 10  | Organic Chemistry   | Chemical Analysis  |  |   |  |                |
|  | PHYS | Forces  |   | Magnetism and Electromagnetism   |  |   |  |                |