

# Year 11 Long Term Scheme of Learning 2025-26

## Subject: Combined Science (Foundation tier)

| Date (w/b) | Exams | Biology                                                                                                                                                                                                                                                                                                                                                                                            | Chemistry                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Physics (2025 / 2026)                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01/09/2025 |       | <b>B6 Inheritance, Variation and Evolution</b> <ul style="list-style-type: none"> <li>B6.1 Meiosis</li> <li>B6.1 Sexual vs Asexual reproduction</li> <li>B6.1 Inheritance (Genetic crosses)</li> <li>B6.1 DNA</li> <li>B6.2 Genetic Engineering</li> </ul>                                                                                                                                         | <b>C6 'Rate &amp; Extent of Chemical Reactions' – equilibria- Key ideas:</b> <ul style="list-style-type: none"> <li>Reversible reactions &amp; equilibrium</li> <li>Effect of changing reaction conditions eg temperature, pressure and concentration</li> </ul> <b>C7 'Organic Chemistry' -Key ideas:</b> <ul style="list-style-type: none"> <li>Fractional distillation of crude oil</li> <li>Alkanes</li> </ul>                                         | <b>P8 &amp; 9 – Y10 Forces Recap</b><br><br><b>P10 – Force &amp; Motion</b> <ul style="list-style-type: none"> <li>P10.1 – Force &amp; acceleration</li> <li>P10.1 – Required practical</li> <li>P10.2 – Weight &amp; Terminal velocity</li> <li>P10.3 – Forces &amp; braking</li> <li>P10.4 – Momentum</li> <li>P10.5 – Forces &amp; elasticity</li> </ul>                                                                     |
| 08/09/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 15/09/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 22/09/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 29/09/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 06/10/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 13/10/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 20/10/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 03/11/2025 |       | <b>B6 Inheritance, Variation and Evolution</b> <ul style="list-style-type: none"> <li>B6.2 Variation</li> <li>B6.2 Selective Breeding</li> <li>B6.3 Evolution</li> <li>B6.3 Fossils</li> <li>B6.3 Classification and Extinction</li> </ul> <b>B7 Ecology</b> <ul style="list-style-type: none"> <li>B7.1 Communities and Abiotic/Biotic factors</li> <li>B7.1 Distribution of Organisms</li> </ul> | <b>PPE 1 GCSE Chemistry Paper 1</b><br><b>Units C1, C2, C3, C4, C5 only 70 marks</b><br><br><b>C7 'Organic Chemistry' -Key ideas:</b> <ul style="list-style-type: none"> <li>Alkenes (Cracking)</li> <li>Combustion of fuels</li> </ul> <b>C8 Chemical Analysis - Key ideas:</b> <ul style="list-style-type: none"> <li>Pure substances &amp; mixtures</li> <li>Formulations</li> <li>Required Practical 12 – Chromatography</li> <li>Gas Tests</li> </ul> | <b>PPE 1: GCSE Physics Paper 1 (P1 – P7)</b><br><br><b>P12 – Wave Properties</b> <ul style="list-style-type: none"> <li>P12.1 – Nature of waves</li> <li>P12.2 – Properties of waves</li> <li>P12.4 – More about waves</li> <li>P12.4 – Required practical</li> </ul> <b>P13 – Electromagnetism</b> <ul style="list-style-type: none"> <li>P13.1 – The EM Spectrum</li> <li>P13.2 – Light, IR, Micro &amp; Radiowave</li> </ul> |
| 10/11/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 17/11/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 24/11/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 01/12/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 08/12/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 15/12/2025 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 05/01/2026 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 12/01/2026 |       | <b>B7 Ecology</b> <ul style="list-style-type: none"> <li>B7.1 Adaptations</li> <li>B7.2 Trophic levels</li> <li>B7.2 Required Practical recap– Sampling – Completed in Summer</li> <li>B7.3 Waste management</li> </ul>                                                                                                                                                                            | <b>C9 Atmosphere - Key ideas:</b> <ul style="list-style-type: none"> <li>Evolution of Earth's atmosphere</li> <li>Greenhouse gasses &amp; climate change</li> <li>Carbon footprints</li> <li>Atmospheric pollutants</li> </ul>                                                                                                                                                                                                                             | <b>P13 – Electromagnetism</b> <ul style="list-style-type: none"> <li>P13.3 – Communications</li> <li>P13.4 – UV, X-ray &amp; Gamma ray</li> </ul> <b>P4 – Y9 Electricity Recap</b>                                                                                                                                                                                                                                              |
| 19/01/2026 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 26/01/2026 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 02/02/2026 |       |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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# Year 11 Long Term Scheme of Learning 2025-26

## Subject: Combined Science (Foundation tier)

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| 09/02/2026 |  | <ul style="list-style-type: none"> <li>B7.3 Global warming and biodiversity</li> </ul> Revision for PPE                                                                                                                                                                    | <u><b>PPE 2 GCSE Chemistry Paper 2</b></u><br><u><b>Units C6, C7, C8, C9,</b></u><br><u><b>(aspects of C1,C2&amp;C3) 70 marks</b></u>                                                                                                                                     | <b>P15 – Electromagnetism</b> <ul style="list-style-type: none"> <li>P15.1 – Magnetic fields</li> <li>P15.2 – Magnetic fields of electric currents</li> </ul> <b>PPE 2: GCSE Physics Paper 2 (P8 – P15)</b><br><i>(No P11 or 14 on combined science)</i>                   |
| 23/02/2026 |  | <b>Revision &amp; Exam Preparation</b> <ul style="list-style-type: none"> <li>Revision &amp; review by unit</li> <li>Working Scientifically Skills</li> <li>Maths Skills</li> <li>Required Practicals</li> <li>Examination skills</li> <li>Past paper questions</li> </ul> | <b>C10 Sustainable development</b><br><b>Key ideas:</b> <ul style="list-style-type: none"> <li>Potable water and water treatment</li> <li><b>Required Practical 13– Purification of water</b></li> <li>Life cycle assessment and reducing the use of resources</li> </ul> | <b>Revision &amp; Exam Preparation</b> <ul style="list-style-type: none"> <li>Revision &amp; review by unit</li> <li>Working Scientifically Skills</li> <li>Maths Skills</li> <li>Required Practicals</li> <li>Examination skills</li> <li>Past paper questions</li> </ul> |
| 02/03/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 09/03/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 16/03/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 23/03/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 30/03/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 20/04/2026 |  | <b>Revision &amp; Exam Preparation</b> <ul style="list-style-type: none"> <li>Revision &amp; review by unit</li> <li>Working Scientifically Skills</li> <li>Maths Skills</li> <li>Required Practicals</li> <li>Examination skills</li> <li>Past paper questions</li> </ul> | <b>Revision &amp; Exam Preparation</b>                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                            |
| 27/04/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 04/05/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 11/05/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 18/05/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 01/06/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 08/06/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 15/06/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 22/06/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 29/06/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 06/07/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
| 13/07/2026 |  |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |