

Year 11 Long Term Scheme of Learning 2024-25

Subject: Combined Science – Higher Tier

Date (w/b)	Exams	Biology	Chemistry	Physics
02/09/2024		B6 Inheritance, Variation and Evolution <ul style="list-style-type: none"> B6.1 Meiosis B6.1 Sexual vs Asexual reproduction B6.1 Inheritance (Genetic crosses) B6.1 DNA B6.2 Genetic Engineering 	C6 'Rate & Extent of Chemical Reactions' Equilibria- Key ideas: <ul style="list-style-type: none"> Reversible reactions & equilibrium Effect of changing reaction conditions eg temperature, pressure and concentration C7 'Organic Chemistry' -Key ideas: <ul style="list-style-type: none"> Fractional distillation of crude oil Alkanes 	P8 & 9 – Y10 Forces Recap P10 – Force & Motion <ul style="list-style-type: none"> P10.1 – Force & acceleration P10.1 – Required practical P10.2 – Weight & Terminal velocity P10.3 – Forces & braking P10.4 – Momentum P10.5 – Forces & elasticity
09/09/2024				
16/09/2024				
23/09/2024				
30/09/2024				
07/10/2024				
14/10/2024				
21/10/2024				
04/11/2024		B6 Inheritance, Variation and Evolution <ul style="list-style-type: none"> B6.2 Variation B6.2 Selective Breeding B6.3 Evolution B6.3 Fossils B6.3 Classification and Extinction B7 Ecology <ul style="list-style-type: none"> B7.1 Communities and Abiotic/Biotic factors B7.1 Distribution of Organisms 	PPE 1 GCSE Chemistry Paper 1 Units C1, C2, C3, C4, C5 only 70 marks C7 'Organic Chemistry' -Key ideas: <ul style="list-style-type: none"> Alkenes (Cracking) Combustion of fuels C8 Chemical Analysis - Key ideas: <ul style="list-style-type: none"> Pure substances & mixtures Formulations Required Practical 12 – Chromatography Gas Tests C9 Atmosphere - Key ideas: <ul style="list-style-type: none"> Evolution of Earth's atmosphere 	PPE 1: GCSE Physics Paper 1 (P1 – P7) P12 – Wave Properties <ul style="list-style-type: none"> P12.1 – Nature of waves P12.2 – Properties of waves P12.4 – More about waves P12.4 – Required practical P13 – Electromagnetism <ul style="list-style-type: none"> P13.1 – The EM Spectrum P13.2 – Light, IR, Micro & Radiowave
11/11/2024				
18/11/2024				
25/11/2024				
02/12/2024				
09/12/2024				
16/12/2024				
06/01/2025				
13/01/2025				
20/01/2025				

Year 11 Long Term Scheme of Learning 2024-25

Subject: Combined Science – Higher Tier

27/01/2025		<ul style="list-style-type: none"> B7.2 Required Practical recap- Sampling – Completed in Summer B7.3 Waste management B7.3 Global warming and biodiversity Revision for PPE	PPE 2 GCSE Chemistry Paper 2 Units C6, C7, C8, C9, (aspects of C1,C2&C3) 70 marks	P15 – Electromagnetism <ul style="list-style-type: none"> P15.1 – Magnetic fields P15.2 – Magnetic fields of electric currents P15.4 – The motor effect (HT) P15.5 – The motor effect Part 2 (HT) PPE 2: GCSE Physics Paper 2 (P8 – P15) <i>(No P11 or 14 on combined science)</i>
03/02/2025				
10/02/2025				
24/02/2025		Revision & Exam Preparation <ul style="list-style-type: none"> Revision & review by unit Working Scientifically Skills Maths Skills Required Practicals Examination skills Past paper questions 	C10 Sustainable development Key ideas: <ul style="list-style-type: none"> Potable water and water treatment Required Practical 13– Purification of water Life cycle assessment and reducing the use of resources 	Revision & Exam Preparation <ul style="list-style-type: none"> Revision & review by unit Working Scientifically Skills Maths Skills Required Practicals Examination skills Past paper questions
03/03/2025				
10/03/2025				
17/03/2025				
24/03/2025				
31/03/2025				
21/04/2025		Revision & Exam Preparation <ul style="list-style-type: none"> Revision & review by unit Working Scientifically Skills Maths Skills Required Practicals Examination skills Past paper questions 	Revision & Exam Preparation	
28/04/2025				
05/05/2025				
12/02/05				
19/05/2025				
02/06/2025				
09/06/2025				
16/06/2025				
23/06/2025				
30/06/2025				
07/07/2025				

Year 11 Long Term Scheme of Learning 2024-25

Subject: Combined Science – Higher Tier



14/07/2025				
------------	--	--	--	--