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 B6.1 Meiosis B6.1 Sexual vs Asexual reproduction 	C6 'Rate & Extent of Chemical	P8 & 9 - Y10 Forces Recap
09/09/2024			Reactions' Equilibria- Key ideas:	P10 - Force & Motion
16/09/2024		B6.1 Inheritance (Genetic crosses) B6.1 DNA		 P10.1 – Force & acceleration P10.1 – Required practical
23/09/2024		B6.2 Genetic Engineering	 Reversible reactions & equilibrium Effect of changing reaction conditions eg temperature, pressure and concentration 	 P10.2 – Weight & Terminal velocity P10.3 – Forces & braking P10.4 – Momentum P10.5 – Forces & elasticity
30/09/2024				
07/10/2024				
14/10/2024			 C7 'Organic Chemistry' -Key ideas: Fractional distillation of crude oil Alkanes 	
21/10/2024				
04/11/2024		B6 Inheritance, Variation and Evolution	PPE 1 GCSE Chemistry Paper 1 Units C1, C2, C3, C4, C5 only 70 marks	PPE 1: GCSE Physics Paper 1 (P1 - P7)
11/11/2024			C7 'Organic Chemistry' -Key ideas:	P12 - Wave Properties P12.1 - Nature of waves P12.2 - Properties of waves P12.4 - More about waves P12.4 - Required practical P13 - Electromagnetism P13.1 - The EM Spectrum P13.2 - Light, IR, Micro & Radiowave
18/11/2024				
25/11/2024				
02/12/2024				
09/12/2024				
16/12/2024				
06/01/2025		B7 Ecology	 C9 Atmosphere - Key ideas: Greenhouse gasses & climate change Carbon footprints Atmospheric pollutants 	P13 – Electromagnetism P13.3 – Communications P13.4 – UV, X-ray & Gamma ray
13/01/2025				
20/01/2025				P4 – Y9 Electricity Recap

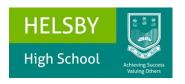
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	B7.2 Required Practical recap		T
27/01/2025	B7.2 Required Practical recap— Sampling – Completed in		P15 – Electromagnetism
03/02/2025	Summer		 P15.1 – Magnetic fields
10/02/2025	 B7.3 Waste management B7.3 Global warming and biodiversity Revision for PPE 	PPE 2 GCSE Chemistry Paper 2 Units C6, C7, C8, C9, (aspects of C1,C2&C3) 70 marks	 P15.2 - 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) (No P11 or 14 on combined science)
24/02/2025	Revision & Exam Preparation • Revision & review by unit	C10 Sustainable development Key ideas:	Revision & Exam Preparation Revision & review by unit
03/03/2025	Working Scientifically Skills Maths Skills	 Potable water and water treatment Required Practical 13- 	Working Scientifically Skills Maths Skills
10/03/2025	Required Practicals	 Required Practical 13- Purification of water Life cycle assessment and reducing the use of resources 	 Required Practicals Examination skills Past paper questions
17/03/2025	Examination skills		
24/03/2025	Past paper questions		
31/03/2025			
21/04/2025	Revision & Exam Preparation • Revision & review by unit	Revision & Exam Preparation	
28/04/2025	Working Scientifically Skills		
05/05/2025	Maths Skills		
12/02/05	Required Practicals Examination skills		
19/05/2025	Past paper questions		
02/06/2025			
09/06/2025			
16/06/2025			
23/06/2025			
30/06/2025			
07/07/2025			

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14/07/2025		