Year 10 Long Term Scheme of Learning 2025-26



Subject: Combined Science (Foundation tier)

Date (w/b)	Exams	Biology	Chemistry	Physics (2025 / 2026)
01/09/2025		B4 Bioenergetics B4.2 Aerobic Respiration B4.2 Anaerobic Respiration B4.2 Effects of exercise B4.2 Metabolism B1 - Cells Required Practical 2 - Osmosis	C2 Structure, Bonding, & the Properties of Matter Key ideas: States of matter Chemical bond – Ionic, covalent and metallic Properties of ionic compounds Properties of small molecules	P4 - Electric Circuits P4.2 - Current & Charge P4.3 - P.D & Resistance P4.4 - Component characteristics P4.4 - Required Practical P4.5 - Series circuits P4.6 - Parallel circuits P2.4 - Required Practical (SHC)
08/09/2025				
15/09/2025				
22/09/2025				
29/09/2025				
06/10/2025		 B2 Organisation B2.3 Plant organs and tissues B2.3 Plant transport B1.3 Active Transport 		P5 - Electricity in the Home • P5.1 - Alternating current • P5.2 - Cables & plugs
13/10/2025				
20/10/2025		B4 Photosynthesis		
03/11/2025		B4.1 Required Practical 5 – Effect of Light on Photosynthesis	C2 Structure, Bonding, & the Properties of Matter	P5 - Electricity in the Home
10/11/2025		B4.1 Limiting factors B4.1 Use of Glucose	Key ideas: Properties of giant covalent	P5.3 – Electrical Power & P.DP5.4 – Electrical Current & Energy
17/11/2025			compounds eg diamond & graphite	transfer
24/11/2025		B2 Organisation • B2.2 Non-communicable disease	Properties of metals and alloys	P5.5 – Appliances & Efficiency
01/12/2025		B2.2 Coronary Heart Disease treatment	C4 Chemical Reactions – reactions of acids	Assessment Point 1 -> P1 - P5.
08/12/2025		 +treatment B2.2 Cancer Required Practical Activity 4: pH and Amylase 	 pH and neutralisation reactions. Required Practical 8 – Making Soluble Salts 	 P6 - Molecules & Matter P6.1 - Density P6.1 - Required practical P6.2 - States of matter P6.3 - Changes of state
05/01/2026			C4'Chemical Reactions' - electrolysis	P6.4 - Internal energy P6 - Molecules & Matter

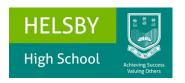
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12/01/2026	B3 Infection and response	Key ideas:	P6.5 – Specific latent heat
19/01/2026	(B1.1) Bacterial cellsB3.1 Bacteria and Viral diseases	 Required Practical 9 –'Electrolysis of aqueous solutions' C5 'Energy Changes' Key ideas: 	 P6.6 – Gas pressure & temperature P7 – Radioactivity P7.1 – Atoms & radiation P7.2 – Discovery of the nucleus
26/01/2026	B3.1 Fungal and Protista diseases		
	B3.1 Human defence systems		
02/02/2026		Endothermic & exothermic reactions	• P7.3 – Changes in the nucleus
09/02/2026		 Required Practical 10 – 'Temperature changes' 	 P7.4 – Alpha, Beta, Gamma P7.5 – Activity & Half-life
23/02/2026	B3 Infection and response	C5 'Energy Changes' Key ideas: Reaction profiles C3 'Quantitative Chemistry'	P8 - Forces in balance P8.1 - Vectors & Scalars P8.2 - Force between objects P8.3 - Resultant forces P8.6 - Centre of mass
02/03/2026	B3.1 Vaccination B3.1 Antibiotics, Painkillers Biconomic and development of drugs		
09/03/2026	Discovery and development of drugs		
16/03/2026	B5 Homeostasis and Response	Key ideas:	
23/03/2026	 B5.2 Nervous system Reaction time required practical 	Balancing equationsRelative formula mass	
30/03/2026	Reaction time required practical	Concentration of solutions	
20/04/2026	B5.1 + B5.3 Human endocrine system	C6 'Rate & Extent of Chemical Reactions' – rate of reaction Key ideas: • Measuring rate of reaction methods • Factors affecting rates	Assessment Point 2 -> P6 - P8.
27/04/2026	B5.3 Control of blood glucose		
04/05/2026	concentration		P9 - Motion
11/05/2026	B5.3 Hormones in human reproduction		 P9.1 – Distance – time graphs P9.2 – Velocity & acceleration
18/05/2026			
01/06/2026	Assessment Window 2 Revision	C6 'Rate & Extent of Chemical Reactions' - rate of reaction Key ideas: Required Practical 11a - Disappearing Cross	 P9 - Motion P9.3 - Velocity - time graphs P9.4 - Analysing motion graphs
08/06/2026	B5 Homeostasis and Response • B5.3 Contraception		
15/06/2026	b3.3 Contraception		
22/06/2026	B7 Ecology	Required Practical 11b – Measuring a gas volume	
29/06/2026	B7.2 SamplingB7.2 Required Practical 7 -	 Graphs & tangents Collision theory & catalysts 	
06/07/2026	Sampling populations		

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13/07/2026		