

Long Term Plan: Year 9 Combined Science



	W/B 10/09	W/B 17/09	W/B 24/09	W/B 01/10	W/B 08/10	W/B 15/10	W/B 29/10	W/B 05/11	W/B 12/11	W/B 19/11	W/B 26/11	W/B 03/12	W/B 10/12	W/B 17/12
Term 1	Biology Paper 1	Biology Paper 1	Biology Paper 1	Biology Paper 1	Biology Paper 1	Biology Paper 1	Biology Paper 1	Biology Paper 1	Biology Paper 1	Biology Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	
	Unit 4.1 Cell Biology (B1) Required practical: Microscopy	Required practical: Osmosis Diffusion Active Transport. Lungs.	Unit 4.2 Organisation (B2) Digestive system. Enzymes	Required Practical: Enzymes Food Tests	Test and PIXL lesson Cell Biology OR Organisation	DCP1 The Heart. Circulatory System.	Unit 4.3 Infection and response (B3) White Blood Cell. Vaccinations	Unit 4.3 Infection and response (B3) Communicable Disease. Cancer	Unit 4.4 Bioenergetics (B4) Respiration. Response to Exercise	Required practical: photosynthesis Limiting Factors of Photosynthesis	Unit 5.1 Atomic structure and the periodic table (C1)	Test and PIXL Infection and Response OR Atomic Structure	DCP2	
Term 2	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1	Chemistry Paper 1		Chemistry Paper 1	Physics Paper 1	Physics Paper 1	Physics Paper 1	Physics Paper 1	Physics Paper 1	Physics Paper 1
	Unit 5.2 Bonding, structure and the periodic table (C2) Covalent Bonding. Giant Covalent Structures	Unit 5.2 Bonding, structure and the periodic table (C2) Ionic Bonding	Unit 5.3 Quantitative chemistry (C3) Moles. Changes in Mass.	Unit 5.4 Chemical changes (C4) Reactivity Series. Extracting metals.	Required Practical Making 1)Salts 2)Electrolysis	Test and PIXL lesson Bonding and Structure OR Quantitative Chemistry	DCP3	Unit 5.5 Energy changes (C5) Required Practical Temperature Changes	Unit 6.1 Energy (P1) Renewable Energy Vs Non Renewable.	Required practical: Specific heat capacity	Unit 6.2 Electricity (P2) Series Circuits. Parallel Circuits	Test and PIXL Energy Changes OR Energy	DCP4 Required practical: Resistance and Resistance of a Wire	Required practical: I-V characteristics Plugs
Term 3		Physics Paper 1	Physics Paper 1	Physics Paper 1										
	Unit 6.3 Particle model of matter (P3)	Required practical: Density Calculating Density	Unit 6.4 Atomic structure (P4) Rutherford's Experiment	Test and PIXL lesson Particle Model of Matter OR Electricity DCP5	Revision for mocks									

