

### Curriculum Sequencing Overview – Yr11 Triple Science

Week	1	2	3	4	5	6	7	8
<b>Unit Theme and Assessed Knowledge/ Skills</b>	Biol: Unit 7 Ecology Chem: Units 7 Hydrocarbons & 8 Chemical Analysis Phys@ Waves							
<b>Biology</b>	B7.1 Ecosystems	B7.3 RP Sampling part 1  B7. 4 RP Sampling part 2	B7. 2a Tropic levels  B7.2 Predator prey diagrams	B7.5 Adaptations in animals  B7.6 Adaptations in plants	B7.7 Carbon cycle  B7.8a Decay	<b>B7 Ecology review &amp; assess</b>  Revision: B1 Transport in Cells	B1 Revision: Stem Cells & Embryo screening  B1 Revision: Microscopy	B2 Revision: Digestion & Enzymes RP  B2 Revision: Heart & Circulation
<b>Chemistry</b>	C7 Recap of topic so far  C7.8 Carboxylic acids	C7.9 Addition Polymerisation  C7.10 Condensation polymerisation	C7.11 Amino acids  C7.12 DNA and other naturally occurring polymers  <b>C7 Review &amp; Assess</b>	C8.1 Pure Substances  C8.2 Formulations	C8.3 Chromatography  C8.4 Chromatography RP  C8.5 Gas Tests	<b>C8 (part 1) review &amp; assess</b>  C1 Revision: Atomic Structure & development of atom	C1 Revision: Isotopes & abundance calcs  C1 Revision: Group 1 & 7 Reactivity  C2 Revision: Ionic bonding & properties	C2 Revision: Covalent Bonding & Properties  C2 Revision: Giant Covalent Structures & Fullerenes
<b>Physics</b>	P6.11 EM Spectrum  P6.12 EM Spectrum Uses	P6.13 Radio & Microwaves  P6.14 IR RP  P6.15 Gamma, Xrays & UV	P6.16 Lenses  P6.17 Ray Diagrams	P6.18 Colour  P6.19 Black Body Radiation  P6.10 Seismic Waves (P&S)	<b>P6 Assess &amp; Review</b>  Phys 1 Elastic energy calculation (part revision)  Phys 1 RP insulation revision	Phys 2 IV Characteristics revision  Phys 2 Power calculations revision	Phys 2 Current elec revision  Phys 2 Mains Elec Revision	Phys 3 SHC & SLH revision  Phys 3 Pressure revision  Phys 4 Atomic Structure, isotopes, radiation revision
<b>Key Assessments</b>			<b>Chem 7</b>		<b>Phys 6</b>	<b>Biol 7 Chem 8 part 1</b>		



Week	9	10	11	12	13	14	15	16
<b>Unit Theme and Assessed Knowledge/ Skills</b>	Biol: Unit 7 Ecology Chem: Units 8 Chem Analysis & 9 Atmosphere Phys: Unit 7 Electromagnetism							
<b>Biology</b>	B3 Revision: Pathogens  B3 Revision: drugs	<b>Mocks:</b>  <b>Biol 1</b>	Mocks & Reviews	B7.9 Land Use  B7.10 Global Warming	B7.12 Waste Management  B7.13 RP Decay	B7.14 RP Decay / Review B7.15 Food Security	B7.16 Farming & Fishing  B7.17 Biotechnology	<b>Biol Paper 2 – in class full mock exam.</b>
<b>Chemistry</b>	C3 Revision: Mr, % by mass, moles, reacting masses, concentration and atom economy  C3 Revision: Concentration & Titration calcs	<b>Mocks:</b>  <b>Chem 1</b>	Mocks & Reviews	C8.6 Flame Tests  C8.7 Metal hydroxide tests	C8.8 Anion Tests  C8.9 RP Identifying Ions-Mystery Substance  C8.10 Instrumental Methods and Flame emission Spectroscopy	C9.1 Current Atmosphere  C9.2 Early Atmosphere, Evolution of the atmosphere & evidence	C9.3 How Oxygen has increased, and Carbon dioxide decreased  C9.4&5 Greenhouse gases & climate change and human activities  C9.6 Carbon Footprint & impact.	C9.7 Atmospheric Pollutants- Properties and effects  <b>C9 Assess</b>
<b>Physics</b>	Phys 4 Half life revision  Phys 4 Radiation Uses & Dangers revision	<b>Mocks:</b>  <b>Phys 1</b>	Mocks & Reviews	P7.1 Magnetism basics  P7.2 Compasses & Fields  P7.3 Solenoids	P7.4 Electromagnets  P7.5 Force on a wire	P7.6 Motors  P7.7 Loudspeakers	P7.8 Generators  P7.9 Transformers  <b>P7 Assess</b>	P8.1 Solar System  P8.2 Orbits
<b>Key Assessments</b>		<b>Mock Exams</b>					<b>Phys 7</b>	<b>Biol Paper 2 Mock. Chem 9</b>



Week	17	18	19	20	21	22	23	24
<b>Unit Theme and Assessed Knowledge/ Skills</b>	Biol: Revision Chem: Unit 10 Using Resources Phys: Unit 8: Space							
<b>Biology</b>	B5 Revision: Nervous System  B5 Revision: Endocrine System	B5 Revision: Eye, seeing & defects  B5 Revision: Blood sugar & diabetes	B5 Revision: Reproduction, Contraception & IVF  B5 Revision: Plant Hormones	<b>Mocks</b>  <b>Biol 2</b>	Mocks & Reviews	B2 Revision: Non-communicable: Risk Factors, Smoking, Cancer  B2 Revision: Heart Disease & Treatments  B2 Revision: Leaves & Transpiration	B1 Revision: Microbiology RP  B3 Revision: Monoclonal Antibodies  B3 Revision: Plant disease & defences	<b>Biol Paper 1 – in class mock</b>  B4 Revision: Photosynthesis  B4 Revision: Respiration & Exercise
<b>Chemistry</b>	C10.1 Earths resources & sustainability  C10.2 Potable Water  C10.3 Potable Water RP	C10.4 Potable Water RP pt2  C10.5 Wastewater treatment	C10.6 Alternative metal extraction  C10.7 Life Cycle Assessments  C10.9 Corrosion and prevention	<b>Mocks</b>  <b>Chem 2</b>	Mocks & Reviews	C10.10 Alloys  C10.11 Ceramics, Polymers and Composites	C10.12 Haber Process  C10.13 Fertilisers  C10.8 Reducing Waste	Chem 2 interventions as informed by mock
<b>Physics</b>	P8.3 Sun & Stars  P8.4 Main sequence & fusion  P8.5 Star life cycles	P8.6 Element formation  P8.7 Red Shift	P8.8 Dark matter  Phys 5 Forces revision  Phys 5 Forces revision	<b>Mocks</b>  <b>Phys 2</b>	Mocks & Reviews	Revision: Unit 5 Forces	Revision: Unit 5 Forces	Revision: Unit 2 Electricity
<b>Key Assessments</b>				<b>Mock Exams</b>				<b>Biol Paper 1 Mock</b>



Week	25	26	27	28	29	30	31	32
<b>Unit Theme and Assessed Knowledge/ Skills</b>	Revision – all subjects							
<b>Biology</b>	B6 Revision: DNA & Protein Synthesis  B6 Revision: Genetic Cross, inherited disorders, & Mendel	B6 Revision: Natural Selection & Evolution evidence  B6 Revision: Selective Breeding & Cloning	Biol Paper 1 Revision as informed by mock	Biol Paper 1 Revision as informed by mock	Biol Paper 1 Revision as informed by mock	GCSEs Start  Biol Paper 1		Biol Paper 2
<b>Chemistry</b>	Chem 2 interventions as informed by mock  <b>Chem 2 mock attempt 2 – in class</b>	Chem 2 interventions as informed by mock	Chem 2 interventions as informed by mock	Chem 1 interventions as informed by mock	Chem 1 interventions as informed by mock	GCSEs Start	Chem Paper 1	
<b>Physics</b>	Revision: Unit 2 Electricity	Revision: Unit 1 Energy	Revision: Unit 4 Atomic Structure	Revision: Unit 3 Particle model	Revision - general		Phys Paper 1	
<b>Key Assessments</b>	<b>Chem 2 Mock</b>							