

Science	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Year 7	<p><u>HT 1</u></p> <p>Investigative Skills Biology - B1- Cells Chemistry - C1- States of Matter Physics - P1- Energy</p>	<p><u>HT 2</u></p> <p>Biology -B2- Organisation Chemistry - C2- Atoms, Elements and Compounds Physics -P2- Forces</p>	<p><u>HT 3</u></p> <p>Biology -B3- Reproduction Chemistry - C3- Periodic Table Physics - P3- Electricity</p>	<p><u>HT 4</u></p> <p>Biology -B4- Ecosystems Chemistry -C4- Separating Techniques Physics - P4- Waves P5- Light (Project)</p>	<p><u>HT 5</u></p> <p>Biology -B5- Photosynthesis, B6 No Limits Project - Fitness Chemistry-C5 Acids and Alkalis</p>	<p><u>HT 6</u></p> <p>Intervention with RPA(required Practical Assessment) focus: B1-6 C1-5 P1-5</p>
Year 8	<p><u>HT 1</u></p> <p>Biology -B7- Respiration Chemistry - C6- Metals and Non-metals Physics - P6- Forces II</p>	<p><u>HT2</u></p> <p>Biology - B8-Microorganisms Chemistry - C7-Energetics Physics -P7- Pressure</p>	<p><u>HT 3</u></p> <p>Biology - B9-DNA and Genes Chemistry -C8- Global Challenges Physics - P8-Electromagnets</p>	<p><u>HT 4</u></p> <p>Biology -B10 Adaptation Chemistry -C9- Earth's Resources Physics -P9- Energy II</p>	<p><u>HT 5</u></p> <p>Maths Skills in Science KS3M1 Chemistry-C10- Separating Techniques Physics-P10-Physics in medicine.</p>	<p><u>HT 6</u></p> <p>Intervention: RPA(required Practical Assessment) focus: Analysis and Exam Practice B7-10 C6-10 P6-10</p>
Year 9	<p><u>HT1</u></p> <p>B1 - Cells and Organisation C10 Chemical</p>	<p><u>HT2</u></p> <p>B2 - Cell Division B7 - Non-communicable</p>	<p><u>HT3</u></p> <p>B3 - Organisation and the digestive system</p>	<p><u>HT4</u></p> <p>B4 - Organisation in Animals and Plants C5 - Chemical</p>	<p><u>HT5</u></p> <p>B5 Communicable diseases, B6 Preventing and</p>	<p><u>HT6</u></p> <p>Intervention; RPA focus B1-4, B7</p>

	analysis and C11 Earth's atmosphere P3 - Energy resources	diseases C12 - Earth's resources P1 - Energy	C7 - Energy Changes P2 - Energy and heating	changes P4 - Electrical Circuits	Treating Diseases P5 Electricity at Home	C10,C12,C7,C5 P1-4
Year 10	<p>HT1</p> <p>B8 + B9 - Photosynthesis + Respiration C8 - Rates and Equilibrium P6 - Density</p> <p>Intervention: B1 Cells and Transport, C10 Chemical Analysis, C11 Earth's atmosphere, P1 Changes in Energy</p>	<p>HT2</p> <p>B10 - Human Nervous System C9 - Crude oils P7 - Radioactivity</p> <p>Intervention: B2 Stem Cells, C12 Earth's resources, P2 Energy Transfers by Heat</p>	<p>HT3</p> <p>B11 - Hormonal Coordination C1 Atoms and Elements P8 - Forces in Balance</p> <p>Intervention: B3 Organisation and the Digestive System, C7 Energy changes, P3 Energy Resources</p>	<p>HT4</p> <p>B12 - Reproduction C2 - The periodic table P9 - Speed and Velocity</p> <p>Intervention: B4 Organisation in Animals and Plants, C5 Chemical Changes, P4 Electricity at Home</p>	<p>HT5</p> <p>B13 Variation and Evolution C3 Structure and Bonding. P10 Forces and Motion.</p> <p>Intervention: B5 Communicable Diseases; C5 Chemical Changes</p>	<p>HT6</p> <p>Intervention and RPA focus for: B6-9: Preventing and Treating Diseases, Non-communicable diseases, Photosynthesis, Respiration C8: Rates and Equilibrium C9: Crude Oils P6-9: Molecules and Matter; Radioactivity, Forces in Balance, Motion Revision for End of Year Test</p>
Year 11	HT1	HT2	HT3	HT4	HT5	HT5

	<p>B14 (Combined) Genetics and Evolution;</p> <p>C12 (Combined) Earth Resources; P11, P12 -Waves, Electromagnetic Spectrum (Combined)</p> <p>Intervention; B1-4 Cells and Transport, Cell Division, Organisation and Digestive System, Transport in Animals and Plants. (Combined)</p> <p>C1-4 Atoms, Bonding and Moles, Periodic Table, Structure and Bonding, Chemical Calculations (Combined)</p> <p>P1-3 Changes in Energy Stores, Energy Transfers by</p>	<p>B15, B16 (Combined) - Adaptations, Interdependence and Competition, Organising and Ecosystem (Combined), Biodiversity and Ecosystem</p> <p>Intervention: B5-9 Communicable diseases, Preventing and treating diseases, Non-communicable diseases, Photosynthesis, Respiration; C5-7 Chemical Changes, Electrolysis, Energy Changes, P4-7 Electrical Circuits, Electricity in the Home, Molecules and Matter, Radioactivity</p>	<p>B3, B10, B11 Revision C8-10 Revision P3, P8-10 Revision Intervention: B10-11 The nervous system, Hormonal Coordination, C8-9 Rates and Equilibrium, Crude Oil, P8-10 Forces in Balance, Motion, Forces in Motion</p>	<p>B4,12-17 Revision C11-12 Revision P4, P11-13 Revision Exam Practice for all 3 subjects</p> <p>Intervention: B12-17 Reproduction, Variation and Evolution, Genetic Evolution, Adaptations, Inheritance and Competition, Organising an Ecosystem, Biodiversity in the Ecosystem; C10-12 Chemical Analysis, The Earth's Atmosphere, The Earth's Resources; P11-13 Wave Properties; Electromagnetic Waves, Electromagnetism - Exam practice</p>	<p>Paper 1 Exam Practice Required Practical Assessment Applied Questions</p> <p>Half Term Intervention</p>	<p>Revision of content and exams</p>
--	---	--	--	---	--	--------------------------------------

	Heat, Energy Resources (Combined)					
Year 12 Biology	<u>HT 1</u> Chapter 2 Cell structure Chapter 3 Biological Molecules Chapter 10 Classification and Evolution	<u>HT 2</u> Chapter 4 Enzymes Chapter 5 Biological membranes Chapter 6 Cell division Chapter 11 Ecology (started)	<u>HT 3</u> Chapter 11 Ecology (finished) Chapter 12 Disease Chapter 7 Exchange Chapter 8 Transport in Animals (started)	<u>HT 4</u> Chapter 9 Transport in Plants Chapter 8 Transport in Animals (finished)	<u>HT 5</u> Tidy up folders and revise for the end of year exams.	<u>HT 6</u> End of year exams Chapter 17 Photosynthesis Chapter 19 Genetics
Year 12 Chemistry	<u>HT1</u> Transition from GCE to A level Chem Chapter 2 :Atoms ions & compounds Chapter 3 : amount of substance Chapter 4 : acids and Redox Chapter 5 : Electrons and bonding	<u>HT2</u> Chapter 6 : Shapes molecules and IMF Chapter 7 : Periodicity Chapter 8 : Reactivity trends Chapter 9: Enthalpy	<u>HT3</u> Chapter10 :Rates and equilibrium + Module 1 PAG's of module 2 & 3 + Module 2 & 3 Revision	<u>HT4</u> Chapter 11 : Basic concepts of organic Chemistry Chapter 12 :Alkanes Chapter 13 : Alkenes Chapter 14 : Alcohols :	<u>HT5</u> Chapter 15 : Haloalkanes Chapter 16 Organic Synthesis Chapter 17 : Spectroscopy + Module 1 PAG's of module 4 + Module 4 Revision	<u>HT6</u> Revision and End Of Year exams
Year 13 Biology	<u>HT 1</u> Chapter 14	<u>HT 2</u> Chapter 15	<u>HT 3</u> Chapter 15	<u>HT 4</u> Tidy up folders and	<u>HT 5</u> Revision and	<u>HT 6</u> End of year exams

	Hormonal Communication Chapter 16 Plants Responses Chapter 17 Photosynthesis Chapter 18 Respiration	Homeostasis (started) Chapter 19 Genetics of Living Systems Chapter 20 Patterns of Inheritance and Variation Chapter 21 Manipulating Genomes	Finished. Chapter 22 Chapter 23	revise for the end of year exams.	preparation.	
Year 13 Chemistry	<u>HT</u> Chapter 18: rates of reaction Chapter 19 : Equilibrium Chapter 20: acid bases and pH Chapter 21 : Buffers and Neutralisation + AS Revision	<u>HT</u> Chapter 22 : Enthalpy and entropy Chapter 23 : Redox and electrode potential Chapter 24 : Transition elements + Module 5 Revision + + AS Revision	<u>HT</u> Chapter 25 : aromatic Chemistry Chapter 26 : Carbonyls and carboxylic acids Chapter 27 : Amines and amino acids	<u>HT</u> Chapter 28 : Organic synthesis Chapter 29 : Spectroscopy PAG & Revision Module 5 & 6 Revision	<u>HT</u> Revision content of A level	<u>HT</u> Exams & Revision
Year 12. Physics	<u>HT 1</u> Topic 1: Matter and radiation Topic 2: Quarks and leptons	<u>HT2</u> Topic 5: Optics Topic 6: Forces and Equilibrium Topic 7: On the	<u>HT3</u> Topic 7: On the move Topic 8: Newton's Laws	<u>HT4</u> Topic 11: Materials Topic 12: Electric current Topic 13: DC circuits	<u>HT5</u> Revision of topics 1-13 for AS exam	<u>HT6</u> Topic 26: Radioactivity Topic 27: Nuclear energy

	Topic 3: Quantum phenomena Topic 4: Waves	move	Topic 9: Force and Momentum Topic 10: Work, energy and power			
Year 13. Physics	<u>HT1</u> Topic 17: motion in a circle Topic 18: Simple harmonic motion Topic 19: Thermal Physics Topic 20: Gasses	<u>HT2</u> Topic 21: Gravitational fields Topic 22: Electric fields Topic 23: Capacitors Topic 24: Magnetic fields	<u>HT3</u> Topic 25: Electromagnetic induction Topic 28: Telescopes Topic 29: Stars Topic 30: Cosmology	<u>HT4</u> Required Practical and revision of Year 12	<u>HT5</u> Revision of year 12 and year 13	<u>HT6</u> Revision and A2 exam
Year 12. BTEC.	<u>HT1</u> Unit 2 : Assignment A Unit 2 Assignment B	<u>HT2</u> Unit 2 : Assignment A Unit 2 Assignment C	<u>HT3</u> Unit 2 : Assignment D Unit 1 : Teaching Biology , Chem ,	<u>HT3</u> Unit 1 : Teaching Physics Revision Bio and Physics ,	<u>HT4</u> Revision and exam Practice	<u>HT5</u> Practical Scientific skills
Year 13. BTEC.	<u>HT1</u> Unit 14 : Assignment A & B Unit 3 : practical skills	<u>HT2</u> Unit 14 : Assignment C & D Unit 3 : practical skills	<u>HT3</u> Unit3 : Exam Unit (Scientific Practical skills)	<u>HT3</u> Unit3 : Exam Unit (Scientific Practical skills)	<u>HT4</u> Revision and exam Practice	<u>HT5</u> Practical Scientific skills