	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7	Intro to Science topic-	Biology Part 1	Chemistry Part 1	Physics Part 1	Biology Part 2	Chemistry Part 2
Assessments are	Covering key skills and	continued	continued	continued	continued	continued
completed at the end	fundamentals in	Assessment takes	Assessment takes	Assessment takes	Assessment takes	
of part 1 and part 2 on	Science.	place here on this	place here on this	place here on this	place here on this	Assessment takes
the content delivered	Students have a	unit/ content covered	unit/ content covered	unit/ content covered	unit/ content covered	place here on this
so far.	baseline assessment here.	so far	so far	so far	so far	unit/ content covered so far
Students have an end		Chemistry Part 1-	Physics Part 1-	Biology Part 2-	Chemistry Part 2-	
of year test in the final	Biology Part 1- Food	Changes of state,	Forces, balanced and	Life processes, cells,	Rock cycle, Material	
term	chains, nutrition, diet	diffusion, physical	unbalanced forces,	levels of organisation,	from the earth,	
	and energy flows,	changes.	Hooke's law, Pressure	diffusion in cells,	recycling and polymers	
	ecosystems, digestive		in solids, liquids and	practical skills.	and practical skills.	
	system and enzymes.		gases.			
Year 8	Physics Part 1-	Physics Part 1-	Physics Part 1-	Physics Part 2-	Physics Part 2-	Physics Part 2-
	Forces, Speed,	Forces, Speed,	Forces, Speed,	Assessment will be on	Assessment will be on	Assessment will be on
Assessments are	Distance, Time and	Distance, Time and	Distance, Time and	The Earth, Planets,	The Earth, Planets,	The Earth, Planets,
completed at the end	Mass	Mass	Mass	Magnets and Light.	Magnets and Light.	Magnets and Light.
of part 1 and part 2 on						Assessment takes
the content delivered	Biology Part 1-	Chemistry Part 1-	Assessment takes	Biology Part 2	Chemistry Part 2-	place here on this
so far.	Life processes, Cells	Solutions, Filtration	place here on this	continued	Physical and Chemical	unit/ content covered
	and the Digestive	and separation	unit/ content covered	Assessment takes	changes, pH and	so far
Students have an end	system	methods	so far	place here on this	neutralisation	
of year test in the final	Assessment takes	Assessment takes		unit/ content covered		Chemistry Part 2
term	place here on this	place here on this	Biology Part 2-	so far		continued
	unit/ content covered	unit/ content covered	Breathing, Gas			Assessment takes
	so far	so far	exchange,			place here on this
			Reproduction and the			unit/ content covered
			Circulatory system			so far
						Additional topics
						covered at the end of
						year 8-
						Enzymes in digestion,
						Ecosystems, Diffusion in cells, Hooke's Law,
						Pressure in solids,
						riessule III solius,

Year 9 Assessments are completed at the end of each topic Small assessments are also conducted at mid points in the topics. These normally consist of small sets of exam style questions, 6 mark questions or multiple choice tests Students will also have an end of year exam covering all three Sciences they have studied	Biology Cellular function Cells Microscopes Enzymes Membrane transport Physics Motion Vectors/Scalars Measuring and calculating speed Calculating acceleration Motion Graphs Assessment takes place here on this unit/ content covered so far	Biology Cellular function continued Assessment takes place here on this unit/ content covered so far Physics Newton's Laws Forces and Newton's Laws Weight and Mass Momentum and Collisions Reaction time and stopping distance Chemistry Matter and mixtures States of matter Separation techniques Assessment takes place here on this	Physics Newton's Laws continued Assessment takes place here on this unit/ content covered so far Chemistry Atomic structure Atomic number and mass number Isotopes The periodic table Electronic configuration Assessment takes place here on this unit/ content covered so far	Biology Genetics Meiosis DNA Alleles and Inheritance Variation Physics Energy stores and systems Energy Stores Energy transfers Efficiency and Sankey Diagrams Energy Calculations Conductivity and Insulation Energy resources (renewable and non-renewable)	Biology Genetics continued Assessment takes place here on this unit/ content covered so far Chemistry Bonding lonic bonds Covalent bonds Metallic bonds	liquids and gases, Electricity: circuits, insulators and conductors, Static electricity, Law of conservation of mass, Rock cycle, Materials and polymers. Chemistry Bonding continued Assessment takes place here on this unit/ content covered so far Revision of Biology, Chemistry and physics content
		place here on this unit/ content covered so far				

Year 10	Biology	Biology	Biology	Biology	Biology	Biology
	CB5 Health, Disease	CB2 Genetics	CB4 Natural Selection	CB4 cont	CB8 Exchange and	CB9 Ecosystems and
Assessments are	and the Development	Mitosis	and Genetic	Assessment takes	Transport in Animals	Material Cycles
completed at the end	of Medicines	Growth in animals and	Modification	place here on this	Exchange surfaces	Ecosystems
of each topic	Health and Disease	plants	Natural selection and	unit/ content covered	The Circulatory System	Biodiversity
·	STI's	Nerves and Nervous	Evolution	so far	Respiration	Carbon cycle
Small assessments are	Immune system	transmission	Classification			Nitrogen cycle
also conducted at mid	Immunisations and		Selective Breeding	Chemistry	Assessment takes	Water cycle
points in the topics.	Antibiotics	Assessment takes	Genetic Engineering	cc10/12 Extraction	place here on this	
These normally consist	Development of	place here on this		and equilibrium:	unit/ content covered	Chemistry
of small sets of exam	medicines	unit/ content covered	Chemistry	Metal reactivity	so far	CC13 Periodic table
style questions, 6 mark		so far	cc10/12 Extraction	Metal extraction		Group 1, Group 7,
questions or multiple	Assessment takes		and equilibrium:	Electrolysis	Chemistry	Group 0
choice tests	place here on this	Chemistry	Metal reactivity	Equilibrium	CC13 Periodic table	
	unit/ content covered	CC8 Chemical Change:	Metal extraction	Assessment takes	Group 1, Group 7,	Assessment takes
Students have a	so far	Acids and Alkalis	Electrolysis	place here on this	Group 0	place here on this
synoptic exam in the		Reactions of Acids	Equilibrium	unit/ content covered		unit/ content covered
spring term	Chemistry	Soluble and Insoluble		so far		so far
	CC9 Key concepts in	salts			Physics	
	Chemistry:	Assessment takes	Physics	Physics	CP6 Radioactivity	
	Chemical calculations	place here on this	CP4/5 Waves and	CP6 Radioactivity	continued	Physics
	Assessment takes	unit/ content covered	Electromagnetic	continued		CP12- 13 Particle
	place here on this	so far	Spectrum continued		Assessment takes	Model and Matter
	unit/ content covered				place here on this	States of Matter
	so far	Physics	Assessment takes		unit/ content covered	Changes of State
		CP4/5 Waves and	place here on this		so far	Density
	Physics	Electromagnetic	unit/ content covered			Gas Pressure
	CP7/8 Forces and	Spectrum	so far			Specific Heat Capacity
	Their Effects	Transverse and				Specific Latent Heat
	Energy stores and	Longitudinal	Physics			Properties of Materials
	transfers	Wave Behaviours and	CP6 Radioactivity			Hooke's Law
	Work Done	Equations	The Atomic Model			
	Power	EM Spectrum- Uses	Ionisation			
	Efficiency	and Dangers	Types of Radiation			
	Forces (contact/non-		Decay			
	contact)		Background Radiation			
	Vector Diagrams		Half Life			
	Assessment takes		Dangers and Safety			
	place here					

Year 11	Biology	Biology	Biology	Biology	EXAMS	EXAMS
	CB9 Ecosystems and	CB6 Plant Structures	CB7 Animal			
Assessments are	Material Cycles	and their Functions	coordination, Control	Assessment takes		
completed at the end	Ecosystems	Photosynthesis	and Homeostasis	place here on this		
of each topic	Biodiversity	Limiting factors	Hormones and	unit/ content covered		
	Carbon cycle	Transport in plants	Homeostasis	so far		
Small assessments are	Nitrogen cycle	Assessment takes	Control of Metabolic			
also conducted at mid	Water cycle	place here on this	rate (H)	REVISION AND EXAM		
points in the topics.	Assessment takes	unit/ content covered	Menstrual Cycle	PREP		
These normally consist	place here on this	so far	Control of Fertility			
of small sets of exam	unit/ content covered		Diabetes			
style questions, 6 mark	so far	Chemistry	Assessment takes			
questions or multiple		CC14/15 Rates and	place here on this			
choice tests	Chemistry	energy	unit/ content covered			
	CC13 Periodic table	Collision theory	so far			
Students have a	Group 1, Group 7,	Rates of reaction				
synoptic exams in the	Group 0	(kinetics)	Chemistry			
Autumn and Spring		Endo and exothermic	CC16/17 Fuels and			
term	Assessment takes	reactions	atmosphere			
	place here on this	Bond energies	Fractional distillation			
	unit/ content covered	Assessment takes	and cracking			
	so far	place here on this	Combustion and			
		unit/ content covered	pollution			
	Physics	so far	Atmosphere			
	CP13 Particle Model					
	and Matter	Physics	Assessment takes			
	States of Matter	CP9 Electricity	place here on this			
	Changes of State	Circuit Symbols	unit/ content covered			
	Density	Current	so far			
	Gas Pressure	Voltage				
	Specific Heat Capacity	Ohm's Law	Physics			
	Specific Latent Heat	Series and Parallel	CP10/11 Magnetism			
	Properties of Materials	Resistance	and EM Induction			
	Hooke's Law	IV Graphs	Magnetic Fields			
	Assessment takes	Sensors	Electromagnetism			
	place here	AC/DC	Fleming's LHR			
		Energy and Power	The Motor Effect			
		Plug Safety	Transformers and The			
			National Grid			

Voor 12	Piology	Piology	Pielegy		Piology	Piology
Year 12	Biology	Biology	Biology	Biology	Biology	Biology
A	Topic 1 - Biological	Topic 1 - Biological	Topic 3 - Classification	Topic 3 - Classification	Topic 10 - Ecosystems	Topic 10 – Ecosystems
Assessments are	Molecules	Molecules	and	and		
completed at the end	Tania 2 Calla Managa	Tania 2 Calla Minara	Biodiversity	Biodiversity		
of each topic and/ or	Topic 2 - Cells, Viruses	Topic 2 - Cells, Viruses				
half termly.	and Reproduction of	and Reproduction of	Topic 4 - Exchange and	Topic 4 - Exchange and		
	Living Things	Living Things	Transport	Transport		
Small assessments are						
also conducted at mid						
points in the topics.	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry
These normally consist	Topic 1 - Atomic	Topic 2 – Bonding &	Topic 3 - Redox 1	Topic 10 – Equilibrium	Topic 13 - Energetics II	Topic 13 - Energetics II
of small sets of exam	Structure & The	Structure				
style questions, 6 mark	Periodic Table		Topic 4 - Inorganic	Topic 8 – Energetics		
questions or multiple		Topic 5 - Formulae,	Chemistry			
choice tests.	Topic 2 – Bonding &	Equations	& The Periodic Table	Topic 7 -	Topic 9 – Kinetics	Topic 9 – Kinetics
	Structure	& Amounts of		Modern Analytical		
Students have a		Substances	Topic 6 - Intro to	Techniques 1		
synoptic exams in the	Topic 6 - Intro to		Organic Chemistry			
Autumn and Spring	Organic Chemistry	Topic 6 - Intro to				
term.		Organic Chemistry				
	Dhustee	Dhusias	Dharing	Dhusias	Dhusia	Dhustes
	Physics	Physics	Physics	Physics	Physics	Physics
	Topic 1 – Working as a	Topic 1 – Working as a	Topic 5 - Waves &	Topic 5 - Waves &	Topic 11 - Nuclear	Topic 11 - Nuclear
	Physicist	Physicist	Particle Nature of	Particle Nature of	Radiation	Radiation
			Light	Light		
	Topic 2 – Mechanics	Topic 2 – Mechanics			Topic 8 -	Topic 8 -
			Topic 4 – Materials	Topic 4 – Materials	Nuclear & Particle	Nuclear & Particle
	Topic 3 - Electric	Topic 3 - Electric			Physics	Physics
	Circuits	Circuits				
						Topic 6 -
	Topic 5 - Waves &	Topic 5 - Waves &				Further Mechanics
	Particle Nature of	Particle Nature of				
	Light	Light				
1						

Year 13	Biology	Biology	Biology	Biology	EXAMS	EXAMS
	Topic 7 - Modern	Topic 8 - Origins of	Topic 8 - Origins of	Topic 6 - Microbiology		
Assessments are	Genetics	Genetic Variation	Genetic Variation	and Pathogens		
completed at the end						
of each topic and/ or	Topic 5 - Energy for	Topic 5 - Energy for	Topic 6 - Microbiology	Topic 5 - Energy for		
half termly.	Biological Processes	Biological Processes	and Pathogens	Biological Processes		
Small assessments are	Topic 9 - Control	Topic 9 - Control	Topic 5 - Energy for	Topic 9 - Control		
also conducted at mid	Systems	Systems	Biological Processes	Systems		
points in the topics.	Systems	Systems	Diological Frocesses	Systems		
These normally consist			Topic 9 - Control			
of small sets of exam			Systems			
style questions, 6 mark						
questions or multiple	Chemistry	Chemistry	Chemistry	Chemistry		
choice tests.	Topic 11 - Equilibrium	Topic 16 - Kinetics II	Topic 14 - Redox II	Topic 18 - Organic		
	II			Chemistry III		
Students have a		Topic 17 - Organic	Topic 15 - Transition			
synoptic exams in the	Topic 12 - Acid-Base Equilibria	Chemistry II	Metals	Topic 15 - Transition Metals		
Autumn and Spring term.	Equilibria		Topic 18 - Organic	IVIELAIS		
term.	Topic 17 - Organic		Chemistry III	Topic 19 - Modern		
	Chemistry II			Analytical Techniques		
				III .		
	Physics	Physics	Physics	Physics	Physics	
 	Topic 6 - Further Mechanics	Topic 6 - Further Mechanics	Topic 6 - Further Mechanics	Topic 10 – Space	Topic 12 - Gravitational Fields	
 	iviechanics	iviectianics	IVICCIIAIIICS	Topic 12 –	Gravitational Fields	
	Topic 8 - Nuclear &	Topic 13 – Oscillations	Topic 10 – Space	Gravitational Fields	13 – Oscillations	
	Particle Physics					
	,	Topic 9 –	Topic 7 - Electric &	Topic 9 –		
		Thermodynamics	Magnetic Fields	Thermodynamics		
		Topic 11 –	Topic 9 –	Topic 7 - Electric &		
		Radioactivity	Thermodynamics	Magnetic Fields		
				Topic 13 – Oscillations		
				Topic 13 Oscillations		

Useful links:

YEARS 9, 10 AND 11

EDEXCEL Combined Science Specification https://bit.ly/388Eug5

EDEXCEL Triple Biology Specification https://bit.ly/3wh0l6u

EDEXCEL Triple Chemistry Specification https://bit.ly/3wh0vuC

EDEXCEL Triple Physics Specification https://bit.ly/3vW1fq5

YEARS 12 AND 13

EDEXCEL A LEVEL Biology B Specification https://bit.ly/3soXiZ4

EDEXCEL A LEVEL Chemistry Specification https://bit.ly/3kUksCs

EDEXCEL A LEVEL Physics Specification https://bit.ly/3KUW8uv

YEARS 9-13

Seneca Learning https://senecalearning.com/en-GB/

Physics and Maths tutor https://www.physicsandmathstutor.com

SNAPREVISE https://snaprevise.co.uk

ALL YEARS-

BBC Bitesize

https://www.bbc.co.uk/bitesize/secondary

FREESCIENCELESSONS on YouTube

https://www.youtube.com/c/freesciencelessons