

Headline Topics

Chemistry

Year	Term 1	Term 2	Term 3
7	Matter 1	Reactions 1	Earth and Atmosphere 1
8	Matter 2	Reactions 2	Earth and Atmosphere 2
9	Atomic Structure	Bonding and structure	Energy, Rates & Atmosphere
10	Sustainability	Chemical Analysis	Organics
11	(Organics &) Chemical changes	Calculations	EXAM PERIOD
12	Atomic structure and structure Calculations	Redox I Inorganics Energetics	Organics I MAT I Kinetics I Equilibria I/II/Acid Energetics II
13	Redox II Transition Metals	Organics II Kinetics II MAT II Organics III	EXAM PERIOD

Key	Topic areas
Blue	Matter/Atomic structure/Periodic Table
Green	Bonding/Reactions/ Chemical changes
Orange	Earth/Atmosphere/ Resources
Yellow	Calculations

Physics

Year	Term 1	Term 2	Term 3
7	Forces 1 (Kinematics)	Electricity 1 (Fields 1)	Energy 1
8	Forces 2 (Dynamics)	Magnetics and Astrophysics (Fields 2)	Waves and Light
9	Forces 3 (Mechanics)	Energy 2	Particle Model of Matter Electricity 2 (Circuits)
10	Forces 4 (Kinematics)	Waves	Atomic Structure and Nuclear Physics Electricity 3 (Fields and Advanced Circuits)
11	Forces 5 (Dynamics)	Electromagnetism	Astrophysics (Triple Only) EXAM PERIOD
12	Forces 6 (Mechanics)	Electrics	Materials Wave Mechanics Quantum Mechanics (waves) Forces 7 (Advanced Mechanics)
13	Field Mechanics	Thermodynamics	Nuclear and Particle Physics Cosmology Oscillations EXAM PERIOD

Key	Topic areas
Light Blue	Forces
Orange	Electrics
Red	Energy
Dark Blue	Waves
Green	Astrophysics
Dark Green	Matter
Yellow	Nuclear and Atomic

Biology

Year	Term 1	Term 2	Term 3
7	Organisms 1	Ecosystems & Energy 1	Inheritance 1
8	Organisms 2	Ecosystems & Energy 2	Inheritance 2
9	Unit 1- Cells	Unit 2- Organisation	Unit 3- Infection & Response
10	Unit 3- Infection and Response	Unit 4 Bioenergetics	Unit 5- Homeostasis
11	Unit 6- Inheritance, Variation, Evolution	Unit 7- Ecology	Exam Period
12	Unit 1- Biomolecules	Unit 2- Cell Biology	Unit 3-Exchange in Organisms
13	Unit 5- Energy Transfer	Unit 6- Response to Change	Unit 7- Genetics,Populations
		Unit 4- Genetic Diversity	Unit 8- Gene Expression
		Exchange in	Exam Period
		Response to	Genetics, Populations
		Exam Period	

Key	Topic areas
Light Blue	Structure & Function of Organisms
Yellow	Growth, Development & Inheritance
Green	Organisms & their Environment
Pink	Health & Disease
Purple	Variation, Classification & Evolution

Year	Term 1			Term 2			Term 3																
7	<b>Matter 1</b>			<b>Reactions 1</b>			<b>Earth and Atmosphere 1</b>																
	Particle model			Metals and Non Metals			Early atmosphere																
	States of Matter			Acids			Atmosphere today																
	Diffusion			Alkalis			Fuels and combustion																
	Changes in state			Neutralisation			Global warming																
	Separating Mixtures			Metals and Acids			Humans effect on the environment																
	Distillation			Metal Oxidation			Sustainability																
8	<b>Matter 2</b>			<b>Reactions 2</b>			<b>Earth and Atmosphere 2</b>																
	Periodic Table			Endo/Exo reactions			Igneous rocks																
	Group Chemistry (metals)			Investigating energy			Metamorphic rocks																
	Group Chemistry (non-metals)			Catalysts			Sedimentary rocks																
	Patterns in the periodic Table			Combustion			Rock cycle																
	Elements & Compounds 1			Good Fuels			Earths Structure																
	Elements & Compounds 2			Thermal Decomposition			Extraction from the earth																
9	<b>Atomic Structure</b>			<b>Bonding and structure</b>			<b>Energy/Rates/Atmosphere</b>																
	Structure of an atom			Types of Bonding			Endo/exo																
	Isotopes			Ionic bonding			Energy and Temp change																
	Electron configurations			Ionic compounds			Reaction profiles																
	Periodic Table			Covalent bonding			Bond enthalpies																
	PT development			Covalent substances			Calculating rate																
	Group 1			Allotropes of carbon			Factors affecting rate																
	Group 7			Polymers			Investigating Rate																
	Group 7 reactions			Metallic bonding and structure			Activation energy																
	Group 0			Properties of metals & alloys			Equilibria & Le Chateliers																
10	<b>Atmosphere/sustainability</b>			<b>Chemical Analysis</b>			<b>Organics</b>																
	Sustainability			Purity and separation			Crude oil																
	Water & water treatment			Chromatography			Fractional Distillation																
	Alternative metal extraction			Tests for gases			Cracking																
	LCAs			Flame tests			Alkenes																
	Recycling			Metal hydroxide tests			Alcohols																
	Corrosion			Anion tests			Carboxylic acids																
	Alloys			Instruments and spectroscopy			Addition polymerisation																
	Ceramics & composites			Transition metals			Condensation polymerisation																
	Haber process			Nanoparticles			Amino acids																
11	<b>Organics &amp; Chemical changes</b>			<b>Calculations</b>			<b>EXAM PERIOD</b>																
	Metals & metal oxides			Conservation of mass																			
	Reactivity of metals			RAM																			
	Extraction of metals			Concentrations (basic)																			
	Metals & acids			Moles																			
	Neutralisation			Calculating Amounts																			
	pH scale			Percentage yield																			
	Titrations			Atom economy																			
	Electrolysis			Concentration calculations																			
	Half equations																						
12	<b>Atomic structure</b>			<b>Bonding and structure</b>		<b>Calculations</b>					<b>Redox I</b>		<b>Inorganics</b>		<b>Energetics I</b>		<b>Organics I</b>		<b>MAT I</b>		<b>Kinetics I</b>		<b>Equilibria I/II/Acid base</b>
	Subatomic particles & the PT			Ionic bonding		Amounts of substances		Oxidation numbers		Group 1		Enthalpy change		Hom series & Func groups		Mass Spectrometry		Collision theory		Dynamic Equilibrium		Lattice energy	
	Mass spectrometry			Ionic structure		Empirical and molecular formulae		Half equations		Group 2 properties		Reaction profiles		Nomenclature		Infrared spectroscopy		Calculating rate		Le Chateliers		Born Haber cycles	
	Isotopes & Ar			Covalent bonding		Ionic equations		Redox equations		Group 2 patterns		Definitions		Isomerism		Combustion analysis		Maxwell Boltzmann		Kc		Polarisation	
	Electron configuration & orbital theory			Covalent structures		Reacting masses				Group 2 reactions		Q=MCT		Fuels & combustion				Catalysts & reaction profiles		Kp		Solubility	
	Ionisation energies			Allotropes of carbon		pV=nRT				Group 7 properties		Hess's Law		Reactions of Alkanes						Factors affecting Equilibria		Entropy	
	Periodicity			Metallic bonding & structure		Titration calculations				Group 7 reactions		Hess cycles		Reactions of Alkenes						Acid Base theory		Gibbs Free energy	
				Intermolecular forces		Experimental Techniques				Ion tests		Bond enthalpies		Addition Polymerisation						pH definition		Feasibility and relationships (G/S/K)	
				Shapes of molecules		Percentage yield								Halogenoalkanes						Kw			
				Polarity		Atom Economy								Alcohols						Ka			
13	<b>Redox II</b>			<b>Transition Metals</b>		<b>Organics II</b>		<b>Kinetics II</b>		<b>MAT II</b>		<b>Organics III</b>		<b>EXAM PERIOD</b>									
	Standard Electrode potentials			Chemical Properties		Chirality		Experimental techniques		Mass spectrometry		Benzene											
	Electrochemical cells			Complex ions		Carbonyl compounds		conc/time graphs		C NMR		Reactions of Benzene											
	E cell calculations			Colour		Reactions of Carbonyls		Rate/conc graphs		H NMR		Fredel Crafts											
	Storage and fuel cells			Chromium		Carboxylic acids		Order & rate reactions		Chromatography		Phenol											
	Redox titrations			Water and deprotonation		Reactions of Carboxylic acids		Order & mechanisms				Amines											
				Reactions		Acyl chlorides		Arrhenius				Amides											
				Catalytic activity		Esters						Polyamides											
						Condensation polymerisation and polyesters						Amino acids & TLC											
												Functional group tests											
											Organic synthesis												
											Grignards												
											Experimental Techniques												

Year	Term 1		Term 2		Term 3	
7	<b>Forces 1 (kinematics)</b>		<b>Electricity 1 (fields 1)</b>		<b>Energy 1</b>	
	Calculating speed		Static Electricity		Energy Resources	
	Identifying Variables		Current and Voltage		Conservation of Energy	
	Presenting data		Insulators and Conductors		The Joule (and the Calorie)	
	Graphing distance-time and speed-time		Series and Parallel Circuits		Conduction and Convection	
	Relative motion		Ohm's Law		Colour and Temperature	
	Gravity and weight				Energy Transfers	
8	<b>Forces 2 (dynamics)</b>		<b>Magnetic and Astro (fields 2)</b>		<b>Waves and light</b>	
	Balanced and unbalanced		Magnetic Fields		What is a wave?	
	Drag forces		Electromagnets		Measuring waves	
	Stretching and Compression		The Sun and Inner Planets		Light as a wave	
	Solid and Fluid Pressure with calculations		Galaxies and the Universe		Colour	
	Sinking and floating		Days and Seasons		Sound waves	
	Physical work and machines		Phases of the Moon		Ultrasound	
9	<b>Forces 3 (Mechanics)</b>		<b>Energy 2</b>		<b>Matter</b>	
	Vectors and Scalars		Potential Energy		Density	
	Forces		Kinetic Energy		Changes of State	
	Balanced and unbalanced		Work Done and Energy Transfer		Internal Energy	
	Heavy or Massive (Weight)		Power		Specific Heat Capacity (Redux)	
	Resultant Forces		Specific Heat Capacity		Latent Heat	
	Forces on Springs		Efficiency		Particle Motion in Gases	
10	<b>Forces 4 (kinematics)</b>		<b>Waves</b>		<b>Nuclear and Atomic</b>	
	Speed/Velocity		Transverse and Longitudinal		The Structure of the Atom	
	Acceleration		Measuring Wave Speeds		Rutherford's Experiment	
	D-t Graphs		Reflection and Refraction		Radioactive Decay	
	V-t Graphs		Sound Waves		Background Radiation	
	Calculations of Motion		Ultrasound (Triple)		Nuclear Radiation	
	Resultant Forces (Redux)		Seismic Waves (Triple)		Radioactive Half-Life	
11	<b>Forces 5 (Dynamics)</b>		<b>Electromagnetism</b>		<b>Astrophysics (Triple Only)</b>	
	Moments (Triple)		Magnetism and Magnetic Forces		The Solar System (Triple)	
	Levers and Gears (Triple)		Magnetic Fields		Orbits of Planets, Moons (Triple)	
	Pressure in the Fluid (Redux) (Triple)		Solenoids		Satellites (Triple)	
	Atmospheric Pressure (Triple)		Electromagnets (Triple)		The Sun and Other Stars (Triple)	
	Newton's Third Law		The Force on a Conductor, F=BIL		Main Sequence Stars (Triple)	
	Momentum		Electric Motors		Life Cycles of Stars (Triple)	
12	<b>Forces 6 (Mechanics)</b>		<b>Electrics</b>		<b>Matter</b>	
	Velocity and Acceleration		Electric Current		Fluids	
	Motion Graphs		Electrical Energy Transfer		Types of Waves	
	Adding Forces		Current and Voltage Relationships		Wave Phase	
	Moments		Resistivity		Superposition	
	Newton's Laws		Conduction and Resistance		Standing Waves	
	Kinematics		Semiconductors		Diffraction	
13	<b>Field Mechanics</b>		<b>Thermo- dynamics</b>		<b>Nuclear and Particle Physics</b>	
	Electric Fields		Heat and Temperature		The Nuclear Atom	
	Millikan and Coulomb		Internal Energy		Electrons	
	Radial Electric Fields		Heat Transfer		Particle Accelerators	
	Coulomb's Law		Ideal Gas Behaviour		Particle Detectors	
	Capacitors		Kinetic Theory Equations		The Large Hadron Collider	
	Exponential Functions		Derivation of Kinetic Equations		Particle Interactions	



## Year 7 Overview

Year 7	Term 1				Term 2				Term 3			
	Introduction topic	Organisms 1	Matter 1	Year 7 Assessment window 1	Forces 1 (Kinematics)	Ecosystems & Energy 1	Reactions 1	Electricity (Fields)	Inheritance 1	Energy 1	Year 7 Assessment window 2	Earth and Atmosphere 1
<b>Homework</b>	1) SAM learning Homework i) Lab safety basics and hazard symbols Note this is only a short intro so only one homework is appropriate	1. Organisms spelling test (SMHW) 2. SAM learning tasks. i) Labelling animal and plant cells, ii) Movement (skeleton & muscles) 3. Revision for test	1. Matter spelling test (SMHW) 2. SAM learning tasks. i) Mixture (separating techniques), ii) Changes of state 3. Revision for test		1. Forces spelling test (SMHW) 2. SAM learning tasks. i) Speed, Distance time graphs, Relative Speed, ii) Weight, mass and gravity 3. Revision for test	1. Vocab lists and activity 2. SAM learning tasks. 3. Revision for test	1. Vocab lists and activity 2. SAM learning tasks. 3. Revision for test	1. Vocab lists and activity 2. SAM learning tasks. 3. Revision for test	1. Learning key word vocab task 2. SAM learning tasks. 3. Revision for test	1. Learning key word vocab task 2. SAM learning tasks. 3. Revision for test		1. Learning key word vocab task 2. SAM learning tasks. 3. Revision for test
<b>Assessments</b>	No Assessment	End of unit Test (Approx end of cycle 3 - 8.10.21)	End of unit Test (Approx end of cycle 5 - 12.11.21)	Assessment will occur between 22.11.21 to 3.12.21 marking will follow	End of unit Test (Approx end of cycle 7.5 - 17.12.21)	End of unit Test (Approx end of cycle 10 - 4.2.22)	End of unit Test (Approx end of cycle 12 - 11.3.22)	End of unit Test (Approx end of cycle 14 - 22.4.22)	End of unit Test (Approx end of cycle 16 - 20.5.22)	End of unit Test (Approx end of cycle 18 - 24.6.22)	Assessment will occur between 13.6.21 to 24.6.21 marking will follow	End of unit Test (Approx end of cycle 20 - 22.7.22)
<b>Feedback By Teacher</b>	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback		Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback		Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback
<b>Main Interleaving</b>	Safety links to working in labs	Previous - KS2 links. Next steps - Organisms 2, Cells and Organisation	Previous - KS2 links. Next steps - Matter 2.		Previous - KS2 links. Next steps - Forces 4 (Kinematics)	Previous - KS2 links. Next steps - Ecology	Previous - key stage 2. Next steps - Reactions 2.	Previous - KS2 links. Next steps - Electricity (circuits)	Previous - KS2 links. Next steps - Cells and inheritance	Previous - KS2 links. Next steps - Forces 4 (Kinematics)		Previous - KS2 links. Next steps - Reactions 1 and Earth and atmos 1
<b>Reading for pleasure</b>		Does anything eat wasps By Mick O'Hare (New Scientist)	Whats Chemistry All About By Frith and Gillespie (Usbourne Books)		Secret Science: The amazing world beyond your eyes - Dara O' Brian	Does anything eat wasps By Mick O'Hare (New Scientist)	Whats Chemistry All About By Frith and Gillespie (Usbourne Books)	Secret Science: The amazing world beyond your eyes - Dara O' Brian	Does anything eat wasps By Mick O'Hare (New Scientist)	Secret Science: The amazing world beyond your eyes - Dara O' Brian		Whats Chemistry All About By Frith and Gillespie (Usbourne Books)

Chemistry

Key	Topic areas
	Matter/Atomic structure/Periodic Table
	Bonding/Reactions/ Chemical changes
	Earth/Atmosphere/ Resources
	Calculations

Physics

Key	Topic areas
	Forces
	Electrics
	Energy
	Waves
	Astrophysics
	Matter
	Nuclear and Atomic

Biology

Key	Topic areas
	Structure & Function of Organisms
	Growth, Development & Inheritance
	Organisms & their Environment
	Health & Disease
	Variation, Classification & Evolution

Year 8 Overview

Year 8	Term 1				Term 2				Term 3			
	Organisms 2	Matter 2	Year 8 Assessment window 1	Forces 2 (Dynamics)	Ecosystems & Energy 2	Reactions 2	Magnetics and Astrophysics (Fields 2)	Inheritance 2	Waves and Light	Year 8 Assessment window 2	Earth and Atmosphere 2	
Homework	1. Organisms 2 spelling test (SMHW) 2. SAM learning tasks. i) Effects of Diet and Exercise, ii) Your lungs and airways 3. Revision for test	1. Matter 2 spelling test (SMHW) 2. SAM learning tasks. i) Atoms and Elements, ii) Ceramics 3. Revision for test		1. Forces 2 spelling test (SMHW) 2. SAM learning tasks. i) Race car derby, ii) Turning and pressure 3. Revision for test	1. Vocab lists and activity 2. SAM learning tasks. 3. Revision for test	1. Vocab lists and activity 2. SAM learning tasks. 3. Revision for test	1. Vocab lists and activity 2. SAM learning tasks. 3. Revision for test	1. Learning key word vocab task 2. SAM learning tasks. 3. Revision for test	1. Learning key word vocab task 2. SAM learning tasks. 3. Revision for test		1. Learning key word vocab task 2. SAM learning tasks. 3. Revision for test	
Assessments	End of unit Test (Approx end of cycle 2.5 - 1.10.21)	End of unit Test (Approx end of cycle 5 - 12.11.21)	Assessment will occur between 8.11.21 to 19.11.21 marking will follow	End of unit Test (Approx end of cycle 7.5 - 17.12.21)	End of unit Test (Approx end of cycle 10 - 4.2.22)	End of unit Test (Approx end of cycle 12 - 11.3.22)	End of unit Test (Approx end of cycle 14 - 22.4.22)	End of unit Test (Approx end of cycle 16 - 20.5.22)	End of unit Test (Approx end of cycle 18 - 24.6.22)	Assessment will occur between 13.6.21 to 24.6.21 marking will follow	End of unit Test (Approx end of cycle 20 - 22.7.22)	
Feedback By Teacher	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback		Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback		Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	
Main Interleaving	Previous- Organism 1. Next steps - Organisation, Infection and response	Previous- Matter 1. Next steps - Atomic structure		Previous - Forces 1. Next steps - Forces 3 (Mechanics), Forces 5 (Dynamics)	Previous - Organisms 1, Ecosystems and energy 1. Next steps - Bioenergetics.	Previous - Matter 1 and Reactions 1. Next steps - Energy/rates/atmosphere	Previous - Fields 1. Next steps - Electromagnetism, Astrophysics	Previous - Organisms 1, Inheritance 1. Next steps - Inheritance 3, Ecology	Previous - Key stage 2. Next steps - Waves		Earth and atmosphere 1	
Reading for pleasure	Why penguins feet don't freezes By Mick O'Hare (New Scientist)	All About Chemistry By Robert Winston (DK Books)		Women in Science: 50 Pioneers who changed the World - Rachel Ignotofsky	Why penguins feet don't freezes By Mick O'Hare (New Scientist)	All About Chemistry By Robert Winston (DK Books)	Women in Science: 50 Pioneers who changed the World - Rachel Ignotofsky	Why penguins feet don't freezes By Mick O'Hare (New Scientist)	Women in Science: 50 Pioneers who changed the World - Rachel Ignotofsky		All About Chemistry By Robert Winston (DK Books)	

Chemistry

Key	Topic areas
	Matter/Atomic structure/Periodic Table
	Bonding/Reactions/ Chemical changes
	Earth/Atmosphere/ Resources
	Calculations

Physics

Key	Topic areas
	Forces
	Electrics
	Energy
	Waves
	Astrophysics
	Matter
	Nuclear and Atomic

Biology

Key	Topic areas
	Structure & Function of Organisms
	Growth, Development & Inheritance
	Organisms & their Environment
	Health & Disease
	Variation, Classification & Evolution

Chemistry				
Year 9	Term 1	Term 2	Term 3	
Topics	Atomic structure	Bonding and Structure	Energy, Rates (E, Atmosphere)	Year 9 Assessment window 2
Homework	1. Vocab lists and activity 2. Worksheet/QP/QP <b>1,2</b> 3. Revision for test <b>1,2</b> 4. Test review & actions <b>1,2</b>	1. Vocab lists and activity 2. Worksheet/Question <b>1,1</b> 3. Revision for test 4. Test review & actions	1. Vocab lists and activity 2. Worksheet/Question <b>1,2</b> 3. Revision for test <b>1,2</b> 4. Test review & actions <b>1,1</b>	
Assessments	End of unit Test (Agrees end of cycle 7.5 - 17.12.21) Assessment will occur between 22.11.21 to 3.12.21 marking will follow	End of unit Test (Agrees end of cycle 13.5 - 1.4.22)	End of unit Test (Agrees end of cycle 19.5 - 22.7.22) Assessment will occur between 13.6.22 to 24.6.22 marking will follow	Assessment will occur between 13.6.22 to 24.6.22 marking will follow
Feedback By Teacher	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback x2	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written homework feedback x 1	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback x 2	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback x 2
Main interleaving	Previous - Matter 1 & 2 (KS2). Next steps - This topic is fundamental to all chemistry topics and interleaving will occur in many other topics	Previous - Atomic structure. Next steps - As with atomic structure topic this is fundamental to all chemistry topics and interleaving will occur in many other topics	Previous - Reactions 2 (KS3) Atmosphere 2 (KS3) & Bonding. Next steps - Energetics 1, Kinetics 1	
Reading for pleasure	How Science Works & The Science Book (DK Books)			

Key	Topic
	Matter/Atomic structure/Periodic Table
	Bonding/Reactions/Chemical changes
	Earth/Atmosphere/ Resources Calculations

Physics					
Year 9	Term 1	Term 2	Term 3	Term 3	Term 3
Topics	Forces 3 (Mechanics)	Energy 2	Matter	Year 9 Assessment window 2	Electricity 2 (circuits)
Homework	1. Vocab lists and activity 2. Worksheet/Question <b>1,1</b> 3. Revision for test <b>1,2</b> 4. Test review & actions <b>1,2</b>	1. Vocab lists and activity 2. Worksheet/Question <b>1,1</b> 3. Revision for test 4. Test review & actions	1. Vocab lists and activity 2. Worksheet/Question <b>1,1</b> 3. Revision for test 4. Test review & actions		1. Vocab lists and activity 2. Worksheet/Question <b>1,1</b> 3. Revision for test <b>1,1</b> 4. Test review & actions <b>1,1</b>
Assessments	End of unit Test (Agrees end of cycle 5 - 12.11.21) Assessment will occur between 22.11.21 to 3.12.21 marking will follow	End of unit Test (Agrees end of cycle 12 - 11.3.22) Assessment will occur between 13.6.22 to 24.6.22 marking will follow	End of unit Test (Agrees end of cycle 15 - 6.5.22) Assessment will occur between 13.6.22 to 24.6.22 marking will follow	Assessment will occur between 13.6.22 to 24.6.22 marking will follow	End of unit Test (Agrees end of cycle 20 - 22.7.22) Assessment will occur between 22.11.21 to 3.12.21 marking will follow
Feedback By Teacher	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback x2	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written homework feedback x 1	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback x 2
Main interleaving	Previous - Forces 2 (dynamic), Next steps - Forces 4 (Bimetrics), Forces 5 (dynamic), Forces (year 12)	Previous - Energy 1 (Kinetics), Thermodynamics	Previous - Energy 1 (Kinetics), Thermodynamics	Previous - Electricity 1 (Fields), Next steps - Electricity 2 (Fields and Advanced Circuits), Electromagnetism, Electrics (year 12)	
Reading for pleasure	The boy who harnessed the wind - William Kamkwamba and Bryan Macle				

Key	Topic area
	Forces
	Electricity
	Energy
	Matter
	Atmosphere
	Earth
	Nuclear and Atomic

Biology				
Year 9	Term 1	Term 2	Term 3	
Topics	Cells	Organisation	Infection & Response	Year 9 Assessment window 2
Homework	1. Keywords sheet via SMHW of Terms 2. Worksheet/care practical write up 3. Worksheet/Question 1,2 4. Test review and then Test review & actions <b>1,2</b>	1. Vocab lists and activity 2. Worksheet/Question <b>1,1</b> 3. Revision for test 4. Test review & actions	1. Vocab lists and activity 2. Worksheet/Question <b>1,1</b> 3. Revision for test <b>1,2</b> 4. Test review & actions <b>1,1</b>	
Assessments	End of unit Test (Agrees end of cycle 5 - 12.11.21) Assessment will occur between 22.11.21 to 3.12.21 marking will follow	End of unit Test (Agrees end of cycle 14.5 - 1.4.22) Assessment will occur between 22.11.21 to 3.12.21 marking will follow	End of unit assessment for this unit will happen at the beginning of year 10	Assessment will occur between 13.6.22 to 24.6.22 marking will follow
Feedback By Teacher	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback x2	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written homework feedback x 1	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Pre/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Feedback 1 following assessment 1
Main interleaving	Previous - Organisms 1, Inheritance 1 Next steps - This topic is fundamental to all biology topics and interleaving will in virtually all topics	Previous - Organisms 1 and 2 - Next steps - Infection and response, Exchanges in organisms, Response to exchange	Previous - Organisms 2. Next steps - Cellular Biology	
Reading for pleasure	How to fossilise your hamster By Mick O'Hare (New Scientist)			

Key	Topic area
	Structure & Function of Organisms
	Growth, Development & Inheritance
	Organisms & their Environment Health & Disease
	Variation, Classification & Evolution

Chemistry				
Year 10	Term 1	Term 2	Term 3	Year 10 Assessment
Topics	Sustainability	Chemical Analysis	Organics	Year 10 Assessment window 2
Homework	1. Vocab lists and activity 2. Worksheet/PPST <b>1,2</b> 3. Revision for test 4. Test review & actions	1. Vocab lists and activity 2. Worksheet/Question <b>1,2</b> 3. Revision for test <b>2,2</b> 4. Test review & actions <b>2</b>	1. Vocab lists and activity 2. Worksheet/Question <b>1,2</b> 3. Revision for test <b>2,2</b> 4. Test review & actions <b>2</b>	Assessment will occur between 20.6.22 to 1.7.22 marking will follow
Assessments	End of unit Test (Approx end of cycle 7.5 - 17.12.21)	End of unit Test (Approx end of cycle 11.5 - 14.12.21)	End of unit Test (Approx end of cycle 19 - 21.12.21)	Assessment will occur between 20.6.22 to 1.7.22 marking will follow
Feedback By Teacher	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written homework feedback x 1 Written test feedback x 1	Feedback following assessment 2 Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks)	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written homework feedback x 1 Written test feedback x 2	Feedback following assessment 2
Main Interleaving	Previous - Reactions 2 & Earth/Space 2 (ES2), Atomic Structure & Bonding (yr 9). Next steps - Bonding and structures - Energetics 2	Previous - Matter 1, Atomic structure and Bonding (year 9). Next steps - MAT 1, MAT 2	Previous - Energetics/Atmospheres Next steps - Organics 1 and 2	
Reading for pleasure	Periodic Tables by Hugh Aldersey-Williams and Around the World in 18 Elements by David Scott			

Key	Topic
Blue	Matter/Atomic structure/Periodic Table
Green	Bonding/Reactions/Chemical changes
Orange	Earth/Atmospheres/Atmosphere calculations

Physics					
Year 10	Term 1	Term 2	Term 3	Year 10 Assessment	Year 10 Assessment
Topics	Forces 4 (Kinematics)	Waves	Atomic Structure and Nuclear Physics	Electricity 3 (Fields and Advanced Circuits)	Year 10 Assessment window 2
Homework	1. Vocab lists and activity 2. Worksheet/Question <b>1,2</b> 3. Revision for test <b>2</b> 4. Test review & actions <b>2</b>	1. Vocab lists and activity 2. Worksheet/Question <b>1,2</b> 3. Revision for test 4. Test review & actions	1. Vocab lists and activity 2. Worksheet/Question <b>1,2</b> 3. Revision for test 4. Test review & actions	1. Vocab lists and activity 2. Worksheet/Question <b>1,2</b> 3. Revision for test <b>1,2</b> 4. Test review & actions <b>2</b>	Assessment will occur between 10.1.22 to 21.1.22 marking will follow
Assessments	End of unit Test (Approx end of cycle 4 - 11.12.21)	End of unit Test (Approx end of cycle 12 - 11.3.22)	End of unit Test (Approx end of cycle 11 - 6.5.22)	End of unit Test (Approx end of cycle 20 - 20.7.22)	Assessment will occur between 20.6.22 to 1.7.22 marking will follow
Feedback By Teacher	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written homework feedback x 1 Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Feedback following assessment 1 Written test feedback x 2	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback x 2	Feedback following assessment 2
Main Interleaving	Previous - Forces 1 (Kinematics), Forces 3 (Dynamics), Next steps - Forces 5 (Dynamics), Forces (year 12)	Previous - Waves and light. Next steps - Wave mechanics	Previous - Atomic structure (planetary) Next steps - Nuclear and particle physics	Previous - Electricity 1 (Fields), Electricity 2 (Circuits). Next steps - Electromagnetism, Electricity (year 12)	
Reading for pleasure	Bomb: The race to build - and steal - the world's most dangerous weapon - Steve Sheira				

Key	Topic
Blue	Forces
Green	Electric
Orange	Light
Yellow	Waves
Red	Astrophysics
Purple	Matter
Dark Blue	Nuclear and Atomic

Biology					
Year 10	Term 1	Term 2	Term 3	Year 10 Assessment	Year 10 Assessment
Topics	Infection & Response	Biomechanics	Homeostasis & Response	Year 10 Assessment window 2	Year 10 Assessment window 2
Homework	1. Revision for test 2. Test review & actions 3. Revision for test 4. Test review & actions	1. Vocab lists and activity 2. Worksheet/Question <b>1,2</b> 3. Revision for test 4. Test review & actions	1. Vocab lists and activity 2. Worksheet/Question <b>1,2</b> 3. Revision for test <b>2,2</b> 4. Test review & actions <b>2</b>	Assessment will occur between 10.1.22 to 21.1.22 marking will follow	Assessment will occur between 20.6.22 to 1.7.22 marking will follow
Assessments	End of unit Test (Approx end of cycle 2 - 24.1.21)	End of unit Test (Approx end of cycle 11 - 25.2.22)	End of unit assessment for the unit will happen at the beginning of year 11	Assessment will occur between 10.1.22 to 21.1.22 marking will follow	Assessment will occur between 20.6.22 to 1.7.22 marking will follow
Feedback By Teacher	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Written test feedback	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Feedback following assessment 1 Written homework feedback x 1 Written test feedback x 2	Peer/verbal feedback on classwork and homeworks (whole class feedback from SAM learning tasks) Feedback following assessment 2 Written test feedback x 2	Feedback following assessment 2	Feedback following assessment 2
Main Interleaving	Previous - Organisms 1. Next steps - Cellular Biology	Previous - Ecosystems and energy 2. Next steps - Energy structures	Previous - Cells, Organisation. Next steps - Responses to change		
Reading for pleasure	This Book is Cruelty Free by Linda Newbery				

Key	Topic
Blue	Topic links
Yellow	Structure & Function of Organisms
Green	Growth, Development & Inheritance
Orange	Organisms & their Environment
Pink	Health & Disease
Purple	Variation, Classification & Evolution



Chemistry				
Year 11	Term 1	Term 2	Term 3	Exam Period
Topics	Organics & Chemical Changes	Year 11 Assessment window 1 (MCKKS 2)	Calculations	Year 11 Assessment window 1 (MCKKS 2)
Homework	1. Vocabulary and activity 2. Worksheets/PPQs <b>2.22</b> 3. Revision for test <b>2.22</b> 4. Test review & action <b>2.22</b>	Assessment will occur between 6.12.21 to 16.12.21 marking will follow	1. Vocabulary and activity 2. Worksheets/Question 3. Revision for test <b>2.22</b> 4. Test review & action <b>2.22</b>	Assessment will occur between 19.12.21 to 13.1.22 marking will follow
Assessments	End of unit Test (Approx end of cycle 7: 12.12.21)	End of unit Test (Approx end of cycle 11: 14.12)	End of unit Test (Approx end of cycle 11: 21.12.21)	End of unit Test (Approx end of cycle 11: 21.12.21)
Feedback By Teacher	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Written homework feedback x1	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Feedback following assessment 2	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Feedback following assessment 1	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Feedback following assessment 2
Main Interfacing	Previous: Atoms, Structure (17.1) & Bonding (17.1), Atoms, Structure and Bonding (17.1), Next steps: Rates 1, Kinetics, Transition Metals, Calculations	Previous: Atomic structure (17.1), Energy and Rates (17.1), Next steps: Calculations (year 12)	Previous: Forces 1 (Dynamics), Forces 2 (Dynamics), Forces 3 (Electromagnetism), Forces 4 (Electromagnetism), Next steps: Forces 5 (12), Forces 6 (12), Forces 7 (12)	Previous: Electricity 1 (12a), Electricity 2 (12a), Next steps: Field Mechanics (year 12)
Reading for pleasure	A Short History of Everything by Bill Bryson			

Key	Topic
Blue	Structure & Function/Periodic Table
Green	Bonding/Reactions/ Chemical changes
Orange	Rate/Kinetics/Equilibrium
Yellow	Calculations

Physics					
Year 11	Term 1	Term 2	Year 11 Assessment window 1 (MCKKS 2)	Term 3	Exam Period
Topic	Forces 5 (Dynamics)	Electromagnetism	Atmospherics (Triple Only)	Year 11 Assessment window 1 (MCKKS 2)	Exam Period
Homework	1. Vocabulary and activity 2. Worksheets/PPQs <b>2.22</b> 3. Revision for test <b>2.22</b> 4. Test review & action <b>2.22</b>	1. Vocabulary and activity 2. Worksheets/Question 3. Revision for test <b>2.22</b> 4. Test review & action <b>2.22</b>	1. Vocabulary and activity 2. Worksheets/Question 3. Revision for test <b>2.22</b> 4. Test review & action <b>2.22</b>	Assessment will occur between 19.12.21 to 13.1.22 marking will follow	Revision
Assessments	End of unit Test (Approx end of cycle 9: 18.12.21)	End of unit Test (Approx end of cycle 11: 21.12.21)	End of unit Test (Approx end of cycle 11: 21.12.21)	Assessment will occur between 19.12.21 to 13.1.22 marking will follow	GCSE Summer EXAMS
Feedback By Teacher	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Written test feedback x2	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Feedback following assessment 1	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Written test feedback x2/3	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Feedback following assessment 1	Peer/verbal feedback on classroom and revision
Main Interfacing	Previous: Forces 1 (Dynamics), Forces 2 (Dynamics), Forces 3 (Electromagnetism), Forces 4 (Electromagnetism), Next steps: Forces 5 (12), Forces 6 (12), Forces 7 (12)	Previous: Electricity 1 (12a), Electricity 2 (12a), Next steps: Field Mechanics (year 12)	Previous: Magnetism and Atmospherics (12b), Next steps: Cosmology	Previous: Atoms, Structure & Bonding (17.1), Kinetics, Transition Metals, Calculations (year 12)	Previous: Atoms, Structure & Bonding (17.1), Kinetics, Transition Metals, Calculations (year 12)
Reading for pleasure	A Black Hole is not a Hole - Caroline Cosulich, Descriptions				

Key	Topic area
Blue	Forces
Green	Electricity
Orange	Fields
Yellow	Optics
Red	Atmospherics
Grey	Space
Light Blue	Nuclear and Atoms

Biology						
Year 11	Term 1	Term 2	Year 11 Assessment window 1 (MCKKS 2)	Term 3	Year 11 Assessment window 1 (MCKKS 2)	Exam Period
Topic	Homeostasis & Response	Inheritance 1	Year 11 Assessment window 1 (MCKKS 2)	Unit 7: Ecology	Year 11 Assessment window 1 (MCKKS 2)	Exam Period
Homework	1. Revision for test 2. Test review & action	1. Vocabulary and activity 2. Worksheets/Question 3. Revision for test <b>2.22</b> 4. Test review & action <b>2.22</b>	Assessment will occur between 6.12.21 to 16.12.21 marking will follow	1. Vocabulary and activity 2. Worksheets/Question 3. Revision for test <b>2.22</b> 4. Test review & action <b>2.22</b>	Assessment will occur between 19.12.21 to 13.1.22 marking will follow	Revision
Assessments	End of unit Test (Approx end of cycle 7: 12.12.21)	End of unit Test (Approx end of cycle 8: 7.1.22)	End of unit Test (Approx end of cycle 11: 21.12.21)	End of unit Test (Approx end of cycle 11: 21.12.21)	End of unit Test (Approx end of cycle 11: 21.12.21)	GCSE Summer EXAMS
Feedback By Teacher	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Written homework feedback x1	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Feedback following assessment 2	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Feedback following assessment 1	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Written homework feedback x1	Peer/verbal feedback on classroom and homework (Jahiri class feedback from SAM learning tasks) Written homework feedback x1	Peer/verbal feedback on classroom and revision
Main Interfacing	Previous: Cells, Organisation, Next steps: Responses to change	Previous: Inheritance 1, Next steps: Unit 4: Genetic diversity, Unit 5: Genetics, Populations & Ecosystems, Unit 6: Gene Expression	Previous: Atoms, Structure & Bonding (17.1), Kinetics, Transition Metals, Calculations (year 12)	Previous: Atoms, Structure & Bonding (17.1), Kinetics, Transition Metals, Calculations (year 12)	Previous: Atoms, Structure & Bonding (17.1), Kinetics, Transition Metals, Calculations (year 12)	Previous: Atoms, Structure & Bonding (17.1), Kinetics, Transition Metals, Calculations (year 12)
Reading for pleasure	The Sixth Sense by Richard Dawkins					

Key	Topic area
Blue	Structure & Function of Organisms
Green	Growth, Development & Inheritance
Yellow	Organisms & Their Environment
Orange	Health & Disease
Purple	Variation, Classification & Taxonomy

F6 Chemistry

Year 12	Term 1				Term 2				Term 3																							
Topics	Atomic structure	Bonding and structure	Calculations	Redox I	Year 12 assessment window 1	Inorganics	Energetics I	Organics I	MAT I	Kinetics I	Equilibria (I)/Acid base	Energetics II	Year 12 assessment window 2																			
Homework	Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review					Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review				Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review																						
Assessments	End of unit test x 4 Entry assessment (Early October)				Assessment will occur between 17.1.22 to 21.1.22 marking will follow				End of unit Test x 4 End of year 12 (AS) exams				Assessment will occur between 29.6.22 to 17.2.22 marking will follow																			
Feedback By Teacher	Peer/verbal feedback on classwork and homeworks Written homework & core prac feedback Written test feedback x 4				Feedback following assessment 1 Peer/verbal feedback on classwork and homeworks Written homework & core prac feedback				Informal/verbal feedback Written homework & core prac feedback Written test feedback x 2				Feedback following assessment 2																			
Main Interleaving	These topic previously link to Atomic structure, Bonding, Calculations covered at GCSE. Next steps - These topic is fundamental to all chemistry topics and interleaving will occur in many other topics				Previous - Atomic (GCSE) Chem analysis (GCSE) Atomic struc/ Bonding/ Redox (term 1), Next steps - Transition metals				Previous - Energy (GCSE), Bonding/ Calcs (term 1), Next steps - Energetics 2				Previous - Organic (GCSE), Bonding/ Organics 2				Previous - Atomic Structure/ Organics I (Yr 12), Next steps - MAT 2				Previous - Rates (GCSE) Bonding/ Energetics I (Yr 12), Next steps - Kinetics 2				Previous - Rates (GCSE) Inorganics, Calculations (Y12),				Previous - Energetics I (Yr 12), Next steps - Kinetic 2			
Reading for pleasure	Periodic Tales By Hugh Aldersey-Williams; Around the World in 18 Elements By David Scott; A Short History of Everything By Bill Bryson																															

Key	TOPICS
	Matter/Atomic structure/Periodic Table
	Bonding/Reactions/ Chemical changes
	Earth/Atmosphere/ Resources
	Chemical Calculations

Year 13	Term 1			Year 13 assessment window 1	Term 2			Term 3			
Topics	Redox II	Transition Metals	Organics II	Year 13 assessment window 1	Kinetics II	Year 13 assessment window 2	MAT II	Organics III	EXAM PERIOD		
Homework	Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review				Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review			Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review			
Assessments	End of unit test x 3 Year 13 Assessment 1 (In Class, November)			Assessment will occur between 17.1.22 to 21.1.22 marking will follow	End of unit Test x 3 Year 13 Mocks (Late February)			Assessment will occur between 17.1.22 to 21.1.22 marking will follow			
Feedback By Teacher	Informal/verbal feedback Written homework & core prac feedback Written test feedback x 4			Feedback following assessment 1	Informal/verbal feedback Written homework & core prac feedback Written test feedback x4			Informal/verbal feedback Written homework & core prac feedback Written test feedback x4			
Main Interleaving	Previous - Redox I (Yr 12)			Previous - Redox I & II (Yr 12/13)	Previous - Organics I (Yr 12)			Previous - Kinetics I (Yr 12)		Previous - MAT I/ Organics & II (Yr 12/13)	Previous - Organics I, II & III (Yr 12/13)
Reading for pleasure											

Key	TOPICS
	Matter/Atomic structure/Periodic Table
	Bonding/Reactions/ Chemical changes
	Earth/Atmosphere/ Resources
	Chemical Calculations

F6 Physics

Year 12	Term 1		Term 2		Term 3			
Topics	Forces 6 (Mechanics)	Electrics	Year 12 assessment window 1	Materials	Wave Mechanics	Quantum Mechanics (Waves)	Forces 7 (Advanced Mechanics)	Year 12 assessment window 2
Homework	Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review		Year 12 assessment window 1	Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review		Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review		
Assessments	End of unit test x 4 Entry assessment (Early October)		Assessment will occur between 17.1.22 to 21.1.22 marking will follow	End of unit Test x 3		End of unit test x 4 End of year 12 (AS) exams		Assessment will occur between 20.6.22 to 17.7.22 marking will follow
Feedback By Teacher	Peer/verbal feedback on classwork and homeworks Written homework & core prac feedback		Feedback following assessment 1	Peer/verbal feedback on classwork and homeworks Written homework & core prac feedback		Informal/verbal feedback Written homework & core prac feedback		
Main Interleaving	Previous - Forces 3 (Mechanics), Forces 4 (Kinematics), Next steps - Forces 7 (Advanced mechanics)	Previous - Electricity 1 (fields), Electricity 2 (circuits), Electromagnetics, Next steps - Field Mechanics		Previous - Forces 3 (Mechanics), Matter, Next steps - Thermo-dynamics	Previous - Waves, Next steps - Quantum Mechanics (Waves)	Previous - Waves Mechanics	Previous - Forces 6 (Mechanics)	
Reading for pleasure	What if? Serious scientific answers to absurd hypothetical questions - Randall Munroe							

Year 13	Term 1		Term 2			Term 3		
Topics	Field Mechanics	Thermo- dynamics	Year 13 assessment window 1	Nuclear and Particle Physics	Year 13 assessment window 2	Cosmology	Oscillations	EXAM PERIOD
Homework	Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review		Year 13 assessment window 1	Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review		Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review		
Assessments	End of unit test x 3 Year 13 Assessment 1 (In class, November)		Assessment will occur between 17.1.22 to 21.1.22 marking will follow	End of unit Test x 3 Year 13 Mocks (Late February)		Assessment will occur between 17.1.22 to 21.1.22 marking will follow		A level Summer EXAMS
Feedback By Teacher	Informal/verbal feedback Written homework & core prac feedback		Feedback following assessment 1	Informal/verbal feedback Written homework & core prac feedback		Feedback following assessment 2 Written homework & core prac feedback		
Main Interleaving	Previous - Electric, Wave mechanics	Previous - Energy 2, Matter		Previous - Nuclear and Atomic, Forces 6 and 7, Field mechanics		Previous - Astrophysics (Triple Only), Forces 6 (mechanics), Field	Previous - Forces	
Reading for pleasure	Human Universe - Professor Brian Cox and Andrew Cohen							

F6 Biology

Year 12	Term 1		Term 2		Term 3			
Topics	Unit 1- Biomolecules	Unit 2- Cell Biology	Year 12 assessment window 1	Unit 4- Genetic Diversity	Unit 3-Exchange in Organisms	Year 12 assessment window 2	Unit 6- Response to Change	Unit 7- Genetics,Populations & Ecosystems
Homework	Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review			Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review			Pre reading and independent study Core practical write up Past paper questions	
Assessments	End of unit test x 2 Entry assessment (Early October)		assessment will occur between 17.1.22 to 21.1.22	End of unit Test x 2		Assessment will occur between 20.6.22 to 1.7.22 marking will	Assessments for these topic will occur in year 13 as both topics will be completed in year 13.	
Feedback By Teacher	Peer/verbal feedback on classwork and homeworks Written homework & core prac feedback		Feedback following assessment 1	Peer/verbal feedback on classwork and homeworks Written homework & core prac feedback		Feedback following assessment 2	Feedback on core practical work.	
Main Interleaving	Written test feedback x 2		Written test feedback x 2		Written test feedback x 2		Previous- Homeostasis, Biomolecules, Cell Biology, Exchange in organisms	Previous- Unit 4 Genetic Diversity, Next steps Unit 8- Gene Expression
Reading for pleasure	These topic previously link to Cells topic covered at GCSE. Next steps - These topics are fundamental to all Biology topics and interleaving will occur in all other topics		Unnatural Selection by Katrina van Grouw					

Year 13	Term 1		Term 2		Term 3		
Topics	Unit 5- Energy Transfer	Unit 6- Response to Change	Year 13 assessment window 1	Unit 7- Genetics,Populations & Ecosystems	Year 13 assessment window 2	Unit 8- Gene Expression	EXAM PERIOD
Homework	Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review			Pre reading and independent study Past paper questions Core practical write up Revision for tests, Test actions and review			Revision
Assessments	End of unit test x 2 Year 13 Assessment 1 (in class; November)		Assessment will occur between 17.1.22 to 21.1.22 marking will	End of unit Test Year 13 Mocks (Late February)	Assessment will occur between 17.1.22 to 21.1.22 marking will	End of unit Test	A level Summer EXAMS
Feedback By Teacher	Informal/verbal feedback Written homework & core prac feedback		Feedback following assessment 1	Informal/verbal feedback Written homework & core prac feedback	Feedback following assessment 2	Informal/verbal feedback Written homework & core prac feedback	Informal/verbal feedback on classwork, independent study and revision
Main Interleaving	Written test feedback x 3		Written test feedback x4		Written test feedback x4		
Reading for pleasure	Previous - Bioenergetics, Biological molecules. Next steps - Unit 6- Response to Change	Previous- Homeostasis, Biomolecules, Cell Biology, Exchange in organisms	Previous- Unit 4 Genetic Diversity, Next steps Unit 8- Gene Expression		Previous- Cell Biology, Unit 4- Genetic Diversity, Unit 7- Genetics,Populations & Ecosystems		
Reading for pleasure	Darwin Comes to Town: How the Urban Jungle Drives Evolution by Professor Menno Schilthuis						