Start Date: 06-Sep-21

	Week Number	Week Commencing Date	Торіс	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
			Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Atoms, elements and molecules			Formulae, Equations and Amount of	
		06 6-11 24	Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Writing chemical equations	00/00/24	42:00 42:40	Substance - Part 1	
	1	06-Sep-21	Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Reactions of acids	- 09/09/21	12:00-12:40	Formulae, Equations and Amount of	
Year 1			Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Displacement reactions			Substance - Part 2	
			Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Precipitation reactions				
	2	13-Sep-21	Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Moles and masses	16/00/21	12:00-12:40	Formulae, Equations and Amount of	
	2	15-3ер-21	Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Reacting masses	- 16/09/21	12.00-12.40	Substance - Part 3	
			Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Percentage yield				
			Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Atom economy			Formulae, Equations and Amount of	
	2	20-Sep-21	Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Empirical and molecular formulae	23/09/21	12,00 12,40	Substance - Part 4	
	3	20-Sep-21	Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Concentration	7 23/09/21	12:00-12:40	Formulae, Equations and Amount of	
		Sti	Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Gas volumes			Substance - Part 5	

				Septem	JCI ZI IIITAKC				
	Week Number	Week Commencing Date	Торіс	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
			Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Measurement of the molar volume of a gas - Practical				
	4	27-Sep-21	Structure, Bonding and Introduction to Organic Chemistry	Atomic structure and the periodic table	Stucture of atoms and isotopes	30/09/21	12:00-12:40	Atomic structure and the periodic	
	4	27-3ερ-21	Structure, Bonding and Introduction to Organic Chemistry	Atomic structure and the periodic table	Mass spec	30/03/21	12.00-12.40	table - Part 1	
			Structure, Bonding and Introduction to Organic Chemistry	Atomic structure and the periodic table	Orbitals				
			Structure, Bonding and Introduction to Organic Chemistry	Atomic structure and the periodic table	Ionisation energies			Atomic structure and the periodic	
	5	04-Oct-21	Structure, Bonding and Introduction to Organic Chemistry	Atomic structure and the periodic table	The periodic table	07/10/21	12:00-12:40	table - Part 2	
	3	04-001-21	Structure, Bonding and Introduction to Organic Chemistry	Atomic structure and the periodic table	Periodic properties	07/10/21	12.00-12.40		
			Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Ionic bonding			Bonding and structure - Part 1	
	6 11-Oct-2		Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	lonic radii and polarisation				
			Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Physical properties	14/10/21	12,00 12,40	Donding and absorbing Doub 2	
		11-001-21	Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Covalent bonding	14/10/21	12:00-12:40	Bonding and structure - Part 2	
			Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Electronegativity and bond polarity				

	Week Number	Week Commencing Date	Topic	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
			Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Simple molecules				
	7	10.0-1.21	Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Dative bonds	24 /40 /24	12:00 12:10	Davidson and absorbers David 2	
	7	18-Oct-21	Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Shapes of molecules	21/10/21	12:00-12:40	Bonding and structure - Part 3	
			Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Polar and non-polar molecules				
				Holiday 25/10/21	31/10/21				
			Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Metallic bonding			Bonding and structure - Part 4	
		8 01-Nov-21	Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Solid lattices		12:00-12:40		
	Ü		Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Intro to organic chemistry		12.00 12.10	Introductory Organic Chemistry and	
			Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Types of formulae			Alkanes - Part 1	
			Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Homologous series and functional groups				
	9	08-Nov-21	Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Nomenclature	11/11/21	12:00-12:40		
		00-1404-21	Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Structural isomers	11/11/21	12.00-12.40		
			Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Types of reactions				



00	Week Number	Week Commencing Date	Topic	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
			Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Hazards				
	10		Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Alkane from crude oil	18/11/21	12:00-12:40	Introductory Organic Chemistry and	
	10		Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Alkanes as fuel	18/11/21	12:00-12:40	Alkanes - Part 2	
			Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Alternative fuels				
			Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Substitution reactions			Introductory Organic Chemistry and	
			Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Bonding	25/11/21	12:00-12:40	Alkanes	
	11		Structure, Bonding and Introduction to Organic Chemistry	Alkenes	Geometric isomerism	25/11/21	12:00-12:40	Alkenes - Part 1	
			Structure, Bonding and Introduction to Organic Chemistry	Alkenes	Addition reactions				
			Structure, Bonding and Introduction to Organic Chemistry	Alkenes	Mechanisms				
	12		Structure, Bonding and Introduction to Organic Chemistry	Alkenes	Polymerisation reactions	02/12/21	12:00-12:40	Alkenes - Part 2	
	12		Structure, Bonding and Introduction to Organic Chemistry	Alkenes	Polymer waste	02/12/21	12:00-12:40	Aikenes - Part 2	
			Structure, Bonding and Introduction to Organic Chemistry		End of Unit				
	13	06-Dec-21	Structure, Bonding and Intro	duction to Organic Chemistry	End of Unit	09/12/21	12:00-12:40		End of unit



	Week Number	Week Commencing Date	Topic	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Energetics	Introduction		·····c	Energetics - Part 1	
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Energetics	Enthalpy			Lifergetics - Part 1	
	14	13-Dec-21	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Energetics	Enthalpy level diagrams	16/12/21	12:00-12:40		
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols		Combustion, neutralisation and formation			Energetics - Part 2	
				Holiday 20/12/21 -	09/01/22				
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Energetics	Hess's law			Energetics - Part 3	
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Energetics	Bond Enthalpies			Energenes Fures	
	15	10-Jan-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Energetics	Determination of the enthalpy change of a reaction using Hess's Law Practical	13/01/22	12:00-12:40	Intermolecular forces	
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Intermolecular forces	Intermolecular interactions				
		17-Jan-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Intermolecular forces	Properties				
	16		Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Electrons	20/01/22	12:00-12:40	Redox Chemistry and Groups 1, 2	
	10		Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Oxidation number	20/01/22	12.00 12.40	and 7 - Part 1	
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Nomenclature				
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Full ionic equations				
	17	24-Jan-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Trends in groups 1 & 2	27/01/22	12:00-12:40	Redox Chemistry and Groups 1, 2	
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Group 1 reactions			and 7 - Part 2	
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Group 2 reactions				
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Oxides and hydroxides				
	18		Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Thermal stability				
		31-Jan-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Flame tests	03/02/22	12:00-12:40		
		Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Concentration of a solution of hydrochloric acid _ Practical					



Week Number	Week Commencing Date	Topic	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
19	07-Feb-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Preparation of a standard solution from a solid acid and use it to find the concentration of a solution of sodium hydroxide Practical	10/02/22	12:00-12:40	Redox Chemistry and Groups 1, 2 and 7 - Part 3	
		Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Trends in group 7				
		Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7				Redox Chemistry and Groups 1, 2	
		Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Making standard solutions			and 7 - Part 4	
			Holiday 14/2/22 -20/02/2	2				
		Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7					
20	21-Feb-22	Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Errors, precision, accuracy	24/02/22	12:00-12:40	Introduction to Kinetics and	
		Halogenoalkanes and Alcohols	Introduction to Kinetics and Equilibria	Reaction rates			Equilibria - Part 1	
		Halogenoalkanes and Alcohols	Introduction to Kinetics and Equilibria	factors				
		Halogenoalkanes and Alcohols	Introduction to Kinetics and Equilibria	revisible reactions			Introduction to Kinetics and	
		Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Introduction to Kinetics and Equilibria	Conditions			Equilibria - Part 2	
21	28-Feb-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Introduction to Kinetics and Equilibria	Reversible reactions in industry	03/03/22	12:00-12:40	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra - Part 1	
			Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	General principles				
			Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Hydroylsis reactions				
			Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Mechanisms				
22	07-Mar-22		Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Investigation of the rates of hydrolysis of some halogenoalkanes Practical	10/03/22	12:00-12:40	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra - Part 2	
			Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Chlorination of 2- methylpropan-2-ol with concentrated hydrochloric acid Practical				

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) Č	Week Number	Week Commencing Date	Topic	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Alcohols and the reactions				
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Oxidation				
	23	14-Mar-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Purifying an organic liquid	17/03/22	12:00-12:40	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra - Part 3	
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	The oxidation of propan-1- ol to produce propanal and propanoic acid Practical				
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Mass spec				
	24	21-Mar-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	IR	24/03/22	12:00-12:40	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra - Part 4	
	24		Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Analysis of some inorganic and organic unknowns Practical	24/03/22			
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra					
	25	28-Mar-22	Energetics, Group Chemistry,	Halogenoalkanes and Alcohols	End of Unit	31/03/22	12:00-12:40		End of unit
				Holiday 04/04/22 -	24/04/22				
	26		Structure, Bonding and Introduction to Organic Chemistry		Recap	28/04/22	12:00-12:40		Mock Exam
	20	·	Structure, Bonding and Introduction to Organic Chemistry	Atomic structure and the periodic table	Recap	26/04/22	12.00-12.40		IVIOCK EXAIII
	27		Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Recap	05/05/22	12:00-12:40		
	2/		Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Recap	03/03/22	12.00-12:40		
	28	09-May-22	Structure, Bonding and Introduction to Organic Chemistry	Alkenes	Recap	12/05/22	12:00-12:40		
	28 09-May-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Energetics	Recap					

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	Week Number	Week Commencing Date	Торіс	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
	29	16-May-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Intermolecular forces	Recap	19/05/22	12:00-12:40		
		10 May 22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Recap	15/05/22	12.00 12.40		
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Introduction to Kinetics and Equilibria	Recap				
	30	23-May-22	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Recap	26/05/22	12:00-12:40		
				Holiday 30/05/21	05/06/22				
	31	06-Jun-22				09/06/22	12:00-12:40		
	32	13-Jun-22				16/06/22	12:00-12:40		
	33	20-Jun-22		Self directed revision		23/06/22	12:00-12:40	Self directed revision Exam period	
	34	27-Jun-22		Exam period			12:00-12:40	exam penou	
	35	04-Jul-22				07/07/22	12:00-12:40		
	36	11-Jul-22				14/07/22	12:00-12:40		
				Holiday 18/07/22	-04/09/22				
	1	0F Con 22	Rates, Equilibria and Further Organic Chemistry Rates, Equilibria and Further Organic	Kinetics	Techniques for measuring the rate of reaction		13:00-13:40	Further kinetics	
Year 2	1	05-Sep-22	Chemistry Rates, Equilibria and Further Organic Chemistry Rates, Equilibria and Further Organic Chemistry	Kinetics  Kinetics	Order of reactions  Mechanisms	08/09/22	13.00-13.40	Tuttlet Milettes	
	2	12-Sep-22	Rates, Equilibria and Further Organic Chemistry Rates, Equilibria and Further Organic Chemistry	Kinetics Kinetics	Ea and catalysis Effect of temp on rate constant  Rate of the iodine- propanone reaction by a titrimetric method and	15/09/22	13:00-13:40		
			Rates, Equilibria and Further Organic Chemistry Rates, Equilibria and Further Organic Chemistry	Kinetics	investigating a 'clock reaction' - Practical Finding the activation energy of a reaction Practical				



100	Week Number	Week Commencing Date	Торіс	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
			Rates, Equilibria and Further Organic Chemistry	Entropy and Energetics	Introduction				
			Rates, Equilibria and Further Organic	Zincepy und zineigenes		1		Entropy and energetic - Part 1	
			Chemistry	Entropy and Energetics	Total entropy				
	3	19-Sep-22	Rates, Equilibria and Further Organic			22/09/22	13:00-13:40		
			Chemistry	Entropy and Energetics	Entropy changes			Future and an areatic Book 2	
			Rates, Equilibria and Further Organic	.,	1,, 5	1		Entropy and energetic - Part 2	
-			Chemistry	Entropy and Energetics	Born-Harber cycles				
			Rates, Equilibria and Further Organic		Enthalpy changes of				
			Chemistry	Entropy and Energetics	solution and hydration				
			Rates, Equilibria and Further Organic		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1			
	4	26-Sep-22	Chemistry	Chemical Equilibria	Кс	29/09/22	13:00-13:40	Chemical equilibria	
			Rates, Equilibria and Further Organic	·		1		·	
			Chemistry	Chemical Equilibria	Кр				
			Rates, Equilibria and Further Organic		Factors affecting	1			
			Chemistry	Chemical Equilibria	equilibrium constants				
			Rates, Equilibria and Further Organic						
			Chemistry	Acid-base equilibria	Bronsted-lowry theory				
			Rates, Equilibria and Further Organic						
	5	03-Oct-22	Chemistry	Acid-base equilibria	Hydrogen ion conc	06/10/22	13:00-13:40	Acid-base equilibria - Part 1	
	J	05 500 22	Rates, Equilibria and Further Organic			00, 10, 22			
			Chemistry	Acid-base equilibria	Kw	1			
			Rates, Equilibria and Further Organic		Data from pH				
-			Chemistry	Acid-base equilibria	measurements				
			Rates, Equilibria and Further Organic						
			Chemistry	Acid-base equilibria	Acid-base titrations	1			
			Rates, Equilibria and Further Organic	Anid have consilibute	Duffer calutions				
	6	10-Oct-22	Chemistry Rates, Equilibria and Further Organic	Acid-base equilibria	Buffer solutions	13/10/22	13:00-13:40	Acid-base equilibria - Part 2	
	U	10-001-22	Chemistry	Acid-base equilibria	pH curves	13/10/22	13.00-13.40	Acid-base equilibria - Fart 2	
			Chemistry	Acid-base equilibria	pricurves	1			
			Rates, Equilibria and Further Organic		Finding the Ka value for a				
			Chemistry	Acid-base equilibria	weak acid Practical				
ŀ			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,	Weak delai Tractical				
			Chemistry	Carboxylic Acids and Chirality	Chirality				
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,	-,	1			
	7		Chemistry	Carboxylic Acids and Chirality	Optical activity	20/10/22	12.00 12:12	Organic Chemistry: Carbonyls,	
	7	17-Oct-22	Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,		20/10/22	13:00-13:40	Carboxylic Acids and Chirality - Part 1	
			Chemistry	Carboxylic Acids and Chirality	Reaction mechanisms	]		Carboxyne Acids and Chilanty - Part.	
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,					
			Chemistry	Carboxylic Acids and Chirality	Carbonyl compounds				
				Holiday 24/10/22	- 30/10/22				

Ioliday 24/10/22 - 30/10/22



No.	Week Number	Week Commencing Date	Торіс	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked		
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,							
			Chemistry	Carboxylic Acids and Chirality	Redox reactions						
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,	Nucleophilic addition						
	8	31-Oct-22	Chemistry	Carboxylic Acids and Chirality	reactions	03/11/22	13:00-13:40	Organic Chemistry: Carbonyls,			
	٥	31-001-22	Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,		7 03/11/22	15.00-15.40	Carboxylic Acids and Chirality - Part 3			
			Chemistry	Carboxylic Acids and Chirality	Carboxylic acids						
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,	Reactions of carboxylic						
			Chemistry	Carboxylic Acids and Chirality	acids						
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,							
			Chemistry	Carboxylic Acids and Chirality	Acyl chlorides			Organic Chemistry: Carbonyls,			
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,				Carboxylic Acids and Chirality - Part 4			
	9	07-Nov-22	Chemistry	Carboxylic Acids and Chirality	Esters	10/11/22	13:00-13:40				
	9	U7-INUV-22	Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,		10/11/22	15.00-15.40				
			Chemistry	Carboxylic Acids and Chirality	Polyesters			Organic Chemistry: Carbonyls,			
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,				Carboxylic Acids and Chirality - Part 5			
			Chemistry	Carboxylic Acids and Chirality	Simple chromatography						
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,							
			Chemistry	Carboxylic Acids and Chirality	Mass spec						
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,							
	10	14-Nov-22	Chemistry	Carboxylic Acids and Chirality	HPLC and GC	17/11/22	13:00-13:40				
	10	14-1107-22	Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,		1//11/22	13:00-13:40				
			Chemistry	Carboxylic Acids and Chirality	More mass spec						
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,							
			Chemistry	Carboxylic Acids and Chirality	NMR						
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,							
			Chemistry	Carboxylic Acids and Chirality	C-13 NMR						
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,							
	11	21-Nov-22	Chemistry	Carboxylic Acids and Chirality	H-1 NMR	24/11/22	13:00-13:40				
			Rates, Equilibria and Further Organic	Organic Chemistry: Carbonyls,							
			Chemistry	Carboxylic Acids and Chirality	Splitting patterns						
			Rates, Equilibria and Fu	urther Organic Chemistry	End of Unit						
	12	28-Nov-22	Rates, Equilibria and Fu	urther Organic Chemistry	End of Unit	01/12/22 13:0	13:00-13:40		End of unit		
			Transition Metals and Organic		Standard electrode						
			Nitrogen Chemistry	Redox Equilibria	potentials						
			Transition Metals and Organic	41		1					
			Nitrogen Chemistry	Redox Equilibria	Electrochemical cells						
	13	05-Dec-22	Transition Metals and Organic	40	Thermodynamic	08/12/22 13:0	13:00-13:40	Redox equilibria - Part 1 and 2			
			Nitrogen Chemistry	Redox Equilibria	feasibility						
			Transition Metals and Organic	40							
			Nitrogen Chemistry	Redox Equilibria	Fuel cells						
			71 1 1			1					



	Week Number	Week Commencing Date	Торіс	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
			Transition Metals and Organic				Tille		
			Nitrogen Chemistry	Redox Equilibria	Redox titrations				
			-		Investigating some	1			
			Transition Metals and Organic		electrochemical cells				
			Nitrogen Chemistry	Redox Equilibria	Practical				
	14	12-Dec-22			iron(II) ions and	15/12/22	13:00-13:40		
					potassium				
			Transition Metals and Organic		manganate(VII) titration -				
			Nitrogen Chemistry	Redox Equilibria	Practical				
			Transition Metals and Organic		sodium thiosulfate and				
L			Nitrogen Chemistry	Redox Equilibria	iodine - Practical				
				Holiday 19/12/22	- 08/01/23				
			Transition Metals and Organic						
			Nitrogen Chemistry	Transition metals and the chemistry	Eelctronic configuration				
			Transition Metals and Organic						
	15	09-Jan-23	Nitrogen Chemistry	Transition metals and the chemistry	Ligands and complexes	12/01/23	13:00-13:40	Transition metals and their	
			Transition Metals and Organic			, , , ,	13.00 13.40	chemistry - Part 1	
			Nitrogen Chemistry	Transition metals and the chemistry	Colour complexes				
			Transition Metals and Organic						
L			Nitrogen Chemistry	Transition metals and the chemistry	Shapes				
			Transition Metals and Organic						
			Nitrogen Chemistry	Transition metals and the chemistry	Sqaure planar				
			Transition Metals and Organic						
	16	16-Jan-23	Nitrogen Chemistry	Transition metals and the chemistry	Multidentate ligands	19/01/23	13:00-13:40	Transition metals and their chemistry - Part 2	
			Transition Metals and Organic			' '			
			Nitrogen Chemistry	Transition metals and the chemistry	Reactions	1			
			Transition Metals and Organic						
-			Nitrogen Chemistry	Transition metals and the chemistry	Cobalt and iron				
			Transition Metals and Organic						
			Nitrogen Chemistry	Transition metals and the chemistry	Chromium	1			
			Transition Metals and Organic	L					
	17	23-Jan-23	Nitrogen Chemistry	Transition metals and the chemistry	Manganese	26/01/23	13:00-13:40		
			Transition Metals and Organic						
			Nitrogen Chemistry	Transition metals and the chemistry	Vanadium	-			
			Transition Metals and Organic	To a state of the second all the sec	Mitabal and atom				
ŀ			Nitrogen Chemistry	Transition metals and the chemistry	Nickel and zinc				
			Transition Matals and Organia		The preparation of a				
			Transition Metals and Organic	Transition motals and the chamists:	transition metal complex.			Transition metals and their	
			Nitrogen Chemistry	Transition metals and the chemistry	- Practical	1		chemistry - Part 3	
	10	20 Jan 22	Transition Metals and Organic	Transition motals and the chamists:	Hotorogonoous satelyeis	s 02/02/23	12:00 12:40		
	18	30-Jan-23	Nitrogen Chemistry	Transition metals and the chemistry	Heterogeneous catalysis	02/02/23	13:00-13:40		-
			Transition Metals and Organic	Transition motals and the chamists:	Hamaganagus satalissis	5	Arenes		
			Nitrogen Chemistry	Transition metals and the chemistry	Homogeneous catalysis			Arenes	
			Transition Metals and Organic	Organia Chamistry Assess	Donzono				
			Nitrogen Chemistry	Organic Chemistry – Arenes	Benzene				

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	Week Number	Week Commencing Date	Торіс	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
19		06-Feb-23	Transition Metals and Organic Nitrogen Chemistry	Organic Chemistry – Arenes	Reaction of benzene	09/02/23	13:00-13:40	Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins	
			Transition Metals and Organic Nitrogen Chemistry	Organic Chemistry – Arenes	Electrophilic substitution				
	19		Transition Metals and Organic Nitrogen Chemistry	Organic Chemistry – Arenes	Phenol				
			Transition Metals and Organic Nitrogen Chemistry	Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins	Amines				
				Holiday 13/2/23 -19/02/2	3	1			
2		20-Feb-23	Transition Metals and Organic Nitrogen Chemistry	Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins	Acid-base reactions of amines	- 23/02/23	13:00-13:40		
	20		Transition Metals and Organic Nitrogen Chemistry	Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins	other reactions				
			Transition Metals and Organic Nitrogen Chemistry	Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins	Amides and polyamides				
			Transition Metals and Organic Nitrogen Chemistry	Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins	Amino acids				
2:		27-Feb-23	Transition Metals and Organic Nitrogen Chemistry	Organic Nitrogen Compounds: Amines, Amides, Amino Acids and Proteins	Peptides and proteins	02/03/23	13:00-13:40 13:00-13:40	Organic sythesis	
	21		Transition Metals and Organic Nitrogen Chemistry		Analysis of some inorganic and organic unknowns - Practical				
			Transition Metals and Organic Nitrogen Chemistry	Organic Synthesis	Organic anaylsis				
-			Transition Metals and Organic Nitrogen Chemistry Transition Metals and Organic	Organic Synthesis	Organic synthesis				
22			Nitrogen Chemistry  Transition Metals and Organic	Organic Synthesis	Hazards	09/03/23			
	22	06-Mar-23	Nitrogen Chemistry Transition Metals and Organic	Organic Synthesis	Practical techniques The preparation of				
			,	Organic Synthesis ganic Nitrogen Chemistry	aspirin Practical End of Unit				
	23	13-Mar-23	Transition Metals and Or	ganic Nitrogen Chemistry	End of Unit	16/03/23	13:00-13:40		End of unit



	Week Number	Week Commencing Date	Торіс	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
			Structure, Bonding and Introduction to Organic Chemistry	Formulae, Equations and Amount of Substance	Recap	23/03/23		0	
	24	20-Mar-23	Structure, Bonding and Introduction to Organic Chemistry	Atomic structure and the periodic table	Recap		13:00-13:40		
			Structure, Bonding and Introduction to Organic Chemistry	Bonding and structure	Recap				
			Structure, Bonding and Introduction to Organic Chemistry	Introductory Organic Chemistry and Alkanes	Recap	30/03/23 1	13:00-13:40		
	25	27-Mar-23	Structure, Bonding and Introduction to Organic Chemistry	Alkenes	Recap				
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Energetics	Recap				
		Holiday 03/04/23 - 23/04/23							
		24-Apr-23	Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Intermolecular forces	Recap	27/04/23	13:00-13:40		
	26		Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Redox Chemistry and Groups 1, 2 and 7	Recap				Mock Exam
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Introduction to Kinetics and Equilibria	Recap				
			Energetics, Group Chemistry, Halogenoalkanes and Alcohols	Organic Chemistry: Halogenoalkanes, Alcohols and Spectra	Recap	04/05/23	23 13:00-13:40		
	27		Rates, Equilibria and Further Organic Chemistry	Kinetics	Recap				
			Rates, Equilibria and Further Organic Chemistry	Entropy and Energetics	Recap				
		08-May-23	Rates, Equilibria and Further Organic Chemistry	Chemical Equilibria	Recap	_	13:00-13:40		
28	28		Rates, Equilibria and Further Organic Chemistry	Acid-base equilibria	Recap	11/05/23			
			Rates, Equilibria and Further Organic Chemistry	Organic Chemistry: Carbonyls, Carboxylic Acids and Chirality	Recap				
		15-May-23	Transition Metals and Organic Nitrogen Chemistry	Redox Equilibria	Recap	18/05/23	3 13:00-13:40	3:40	
	29		Transition Metals and Organic Nitrogen Chemistry	Transition metals and the chemistry	Recap				
		Transition Metals and Organic Nitrogen Chemistry	Organic Chemistry – Arenes	Recap					

Week Number	Week Commencing Date	Topic	Subtopic	Video Lesson and MCQs	Drop in Session Date	Drop in Session Time	Notes	Tutor Marked
30		_		Recap	25/05/23	3 13:00-13:40		
		Transition Metals and Organic Nitrogen Chemistry	Organic Synthesis	Recap				
			Holiday 29/05/23 -	- 04/06/23				
31	05-Jun-23							
32	12-Jun-23							
33	19-Jun-23					Self directed revision		
34	26-Jun-23					Exam period		
35	03-Jul-23							
36	10-Jul-23							