Year 13 Chemistry: Academic Calendar 20-21

Term 1

	Week 1 (2 days)	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8 (3 days)
Teacher 1		5.1.1 Orders, rate equations and rate constants	5.1.1 Concentration-time graphs. Rate-concentration graphs.	5.1.1 Rate determining steps. Rate constants and T	5.1.2 Kc recap. Kc part 2	5.1.2 Kp. Controlling the position of equilibrium	5.1.3 Bronsted-Lowry acids and bases. pH scale and strong acids	5.1.3 Ka. pH of weak acids
Teacher 2		Organic mechanism review	6.1.1 Benzene intro Electrophilic substitution with benzene	6.1.1 Phenol. Distribution and directing groups	6.1.2 Carbonyl compounds. Identifying aldehydes and ketones	6.1.3 Carboxylic acids.	6.1.3 Carboxylic acids and derivatives	6.2.1 Amines
Practical			PAG 10		PAG 7	PAG 8		
Assessments			AS content assessment 21/09		Chapter 18 and 19 **and module 1-3**		Chapter 25 and 26 **and module 1,2,4**	
Homework	Chapter 18 & 16	Chapter 18 & 25	Chapter 18 & 26	Chapter 19 & 26	Chapter 19 & 26	Chapter 20 & 26	Chapter 20 & 27	Chapter 20 & 27

Term 2

	Week 1 (4 days)	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Teacher 1	5.1.3 pH strong bases	5.1.3 Buffer solutions	5.1.3 Buffer solutions in the body Neutralisation	5.2.1 Lattice enthalpy Enthalpy changes in solution	5.2.1 Factors affecting lattice enthalpy and hydration		
Teacher 2	6.2.2 Amino acids, amides and chirality	6.2.3 Condensation polymers	Unified chemistry synoptic review	Unified chemistry synoptic review	Unified chemistry synoptic review		
Practical	PAG 11						
Assessments						Year 13 Mock Exams	
Homework	Chapter 21 & 27	Revisited homework	Chapter 22 & 28	Chapter 22	Chapter 22		

Term 3

	Week 1 (4 days)	Week 2	Week 3	Week 4	Week 5	Week 6
Teacher 1	5.2.2 Entropy Free Energy	5.2.3 Redox reactions. Manganate(VII) titration	5.2.3 Iodine/ thiosulphate redox titration.	5.2.3 Electrode potentials. Predictions from electrode potentials	5.2.3 Storage and fuel cells. 5.3.1 d-block elements	5.3.1 Formations and shapes of complex ions Stereoisomerism in complex ions
Teacher 2	6.2.4 Carbon-carbon bond formation	6.2.5 Further synthesis routes	6.3.1Chromatography and functional group analysis	6.3.2 NMR spectroscopy Carbon 13 NMR spectroscopy	6.3.2 Proton NMR Spectroscopy Interpreting NMR spectroscopy	Unified chemistry synoptic review
Practical					PAG 12	PAG catch up
Assessments	Chapter 21 and 22 **and module 1-3**				Chapter 28 and 29 **and module 1,2,4**	
Homework	Revisited homework	Chapter 23 & 29	Chapter 23 & 29	Chapter 23 & 29	Chapter 23 & 29	Chapter 24

Term 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6 (4 days)
Teacher 1	5.3.1 Ligand substitution and	5.3.1 Redox and qualitative analysis	Unified chemistry synoptic review	Exam technique Revision	Exam technique Revision	Exam technique Revision
Teacher 2	6.3.2 Combined spectroscopy	6.3.2 Combined spectroscopy	Unified chemistry synoptic review	Exam technique Revision	Exam technique Revision	Exam technique Revision
Assessments		Mock				
Homework	Revisited homework	Chapter 24				

Term 5

	Week 1	Week 2	Week 3 (4 days)	Week 4	Week 5	Week 6
Teacher 1			Exam technique Revision	Exam technique Revision	Exam technique Revision	Exam technique Revision
Teacher 2			Exam technique Revision	Exam technique Revision	Exam technique Revision	Exam technique Revision
Assessments	Y13 Mocks					
Homework						

Term 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7 *3 teaching days*
Teacher 1	Paper 1 1h30 **Periodic table, Elements and physical Chemistry** (Module 1,2,3,5) 7th June 2021						
Teacher 2							
Assessments	Paper 2 1h30 **Synthesis and Analytical Techniques** (Module 1,2,4,6) 11th June 2021						
Homework	Paper 3 2h15 **Unified Chemistry** (Module 1,2,3,4,5,6) 18th June 2021						