

Chemistry 2nd Year Scheme of Work 2025-26

w/b	Content	Test	Practical
Sep 8 th	5.1.2 Equilibria		
Sep 15 th	5.1.2 Equilibria		4. Measuring an equilibrium constant
Sept 22 nd	5.1.3 Acids (fundamentals)		
Sep 29 th	5.1.3 Acids, bases, buffers	1. October test	5. Finding K_a for CH_3COOH
Oct 6 th	5.1.3 Acids, bases, buffers		7. pH – acids and buffers
Oct 13 th	5.2.1 Lattice enthalpy		6. ASSESSED PRACTICAL PAG 11 Titration curves
Oct 20 th	5.2.1 Lattice enthalpy	2. November test	
Autumn ½ term: Oct 27 th – Oct 31 st			
Nov 3 rd	5.2.2 Entropy and free energy		8. Determination of enthalpy change of solution
Nov 10 th	5.2.3 Electrode potentials		9. ASSESSED PRACTICAL PAG 8 Electrochemical cells 2
Nov 17 th	5.2.3 Electrode potentials		10. Investigating the effect of changing concentration on cell potential 11. Using SEP values to predict whether reactions should occur Library session: research skills
Nov 24 th	5.2.3 Storage cells and fuels cells 5.2.3 Redox chemistry: titrations and calculations		13. ASSESSED PRACTICAL PAG 12 Investigating Fe tablets: research element (h/w)
Dec 1 st	5.3.1 Transition metals	3. December test	13. ASSESSED PRACTICAL PAG 12 Investigating Fe tablets: practical element
Dec 8 th	5.3.1 Transition metals		
Dec 15 th	5.3.1 Redox reactions and qualitative analysis		12. Reactions of Cu^{2+} , Fe^{2+} , Fe^{3+} , Mn^{2+} and Cr^{3+}
Christmas holidays: Dec 18 th – Jan 2 nd			
Jan 5 th	6.1.1 Arenes		
Jan 12 th	6.1.1 Arenes	4. January test	14. ASSESSED PRACTICAL PAG 6 Preparation of methyl 3-nitrobenzoate: part 1 + 2
Jan 19 th	6.1.1 Phenols		14. Preparation of methyl 3-nitrobenzoate: part 3 15. Reactions of phenol
Jan 26 th	6.1.2 Carbonyls		16. Qualitative tests for organic functional groups (preparation for practical 18)
Feb 2 nd	6.1.3 Carboxylic acids and esters	5. February test	17. Making esters
Feb 9 th		Mid-year exam week (off-timetable)???	
Spring ½ term: Feb 16 th – Feb 20 th			
Feb 23 rd	6.2.1 Amines 6.2.2 Amino acids, amides and chirality		
Mar 2 nd	6.2.3 Polyesters and polyamides		19. ASSESSED PRACTICAL PAG 7 Identifying organic unknowns 3: part 1
Mar 9 th	6.2.4 Carbon-carbon bond formation 6.2.5 Synthesis and synoptic organic chemistry	6. March test	19. ASSESSED PRACTICAL PAG 7 Identifying organic unknowns 3: part 2
Mar 16 th	6.3.1 Chromatography and qualitative analysis 6.3.2 Spectroscopy		
Mar 23 rd	6.3.2 Combined analytical techniques	7. Nitrogen test	
Easter holidays: Mar 30 th – Apr 10 th			
Apr 13 th	6.3.2 Combined analytical techniques or Past Papers		
Apr 21 st	Past Papers	8. Synoptic test 9. Analysis test Done as not formal tests!	
Apr 28 th	Past Papers		
May 5 th	Past Papers		
May 12 th	Past Papers		
May 19 th		Study leave begins	
Summer ½ term: May 26 th – May 30 th			
<p>Paper 1: Periodic table, elements, and physical chemistry, 2 hrs 15 mins</p> <p>Paper 2: Synthesis and analytical techniques, 2 hrs 15 mins</p> <p>Paper 3: Unified chemistry, 1 hr 30mins</p> <p>Dates not yet announced!</p>			