



Subject:	Chemistry	Form:	Upper 6th Form
Teacher:	S. Payne	Term:	Autumn 2026

Week	Week Beginning	Topic
1	7 th September	18. Kinetics: 18.1, 18.2, 18.3: Rate expression and Order of reactions, Rate equation, Rate constant, calculations.
2	14 th September	18. Kinetics: 18.4. The Arrhenius Equation, 18.5. The reaction mechanism and The Rate determining step.
3	21 st September	RP7a: Measuring the rate of reaction by an initial rate method. The Iodine clock experiment.
4	28 th September	RP 7b: Measuring the rate of reaction by a continuous monitoring method. Plan and research.
5	5 th October	Mini Test week
6	12 th October	19. Chemical Equilibrium Constant, K_p
7	19 th October	20. Electrode Potentials
Autumn Half-Term (26th October to 30th October)		
8	2 nd November	20. Electrode Potentials RP8: Measuring the EMF of chemical cells
9	9 th November	21. Acids, Bases and Buffers: Bronsted and Lowry acids and bases, strong and weak acids and bases., Calculating pH of strong acids, Acid constant K _a , K _b and pH of weak acids and bases.
10	16 th November	21. Acids, bases and Buffers: K_w ionic product of water, Titration, pH curve, Indicators
11	23 November	21. Acids, Bases and Buffers: RP9: Change in pH when a strong acid reacts with a strong base.
12	30 th November	21. Acids, Bases and Buffers: Buffer calculations
13	7 th December	22. Periodicity : Oxides of period 3 elements



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Week	Week Beginning	Topic
1	4th January	Mock Exams
2	11th January	23. The Transition Metals: General properties, complex formation.
3	18th January	23. The Transition Metals: Ligand substitution, Coloured ions
4	25th January	23. The Transition Metals: Variable oxidation states, Catalyst actions. RP11: Identify Transition metal Elements
5	1st February	24. The reactions of aqueous ions: Redox reactions Practical:Determining %Iron in iron tablets
6	8th February	25. Organic Chemistry: Carbonyl compounds, Optical Isomerism
Spring Half-Term (15th February to 19th February)		
8	22nd February	26. Organic Chemistry: Carboxylic Acids and derivatives
9	1st March	27. Organic Chemistry: Aromatic Chemistry
10	8th March	28. Organic Chemistry: Amines
11	15th March	29. Organic Chemistry: Condensation Polymerisation 30. Amino acids, Proteins and DNA RP12: Chromatography



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Week	Week Beginning	Topic
1	12th April	31. Organic Chemistry: Organic synthesis
2	19th April	Revision and Practice Papers
3	26th April	Revision and Practice Papers
4	3rd May	Revision and Practice Papers
5	10th May	Revision and Practice Papers
6	17th May	
7	24th May	
Summer Half-Term (31st May to 4th June)		
8	7th June	
9	14th June	
10	21st June	
11	28th June	
12	5th July	