



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

Week	Week Beginning	Topic
1	7th September	C1 Atomic structure/ Isotopes/ Mass Spectrometer C3 Bonding. Ionic, metallic, covalent
2	14th September	C1 Atomic structure/ Mass spectrometer calculations C3 Bonding: electronegativity and polarity
3	21st September	C1 Atomic structure/ electron configuration and Ionisation energies C3 Bonding/ Shapes of molecules
4	28th September	C2 Amount of substance: Moles/ RMM, Balanced equations/Masses C3 Structures and properties
5	5th October	C2 Amount of substance: Empirical and Molecular formulae/ C3 Structures and properties
6	12th October	C2 Amount of substance: Concentrations/Ideal Gas Equations C3 Structures and properties
7	19th October	C3 Amount of substance/ % Yield and Atom Economy
Autumn Half-Term (26th October to 30th October)		
8	2nd November	C3 Required practical 1: Titration
9	9th November	C4 Energetics: Exo, Endo/ Enthalpy changes C8 Periodicity: Trend across period 3
10	16th November	Winter Exam week
11	23 November	C4 Energetics / Measuring Enthalpy change C8 Periodicity: Trend across period 3
12	30th November	C4 Energetics / Measuring Enthalpy change/ Hess' Cycle/ Bond Energy Calculations C8 Group 2 The Alkaline Earth Metals
13	7th December	Required Practical 2: Enthalpy change



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Week	Week Beginning	Topic
1	4th January	C4 Energetics/ C8.Group 2 The Alkaline Earth Metals
2	11th January	C5 Kinetics/ C10 Group 7 the Halogen
3	18th January	C5 Kinetics/ C10 The Halogen
4	25th January	Required practical 3: Rate of reaction
5	1st February	C6 Equilibria Equilibrium constant, Kc/Prep for Req Prac 4
6	8th February	C6 Kc Calculations and Conditions / Required practical 4: Identifying cations and anions (gp2, gp7)
Spring Half-Term (15th February to 19th February)		
8	22nd February	Mini Test week
9	1st March	C7 Redox /C11. Introduction to Organic
10	8th March	C12 Alkanes/ C13Halogenoalkanes
11	15th March	C14 Alkenes



Subject:	Chemistry	Form:	Lower 6th Form
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Week	Week Beginning	Topic
1	12th April	C15 Alcohols
2	19th April	Required practical 5
3	26th April	Required practical 6
4	3rd May	C16 Organic Analysis: Mass Spectroscopy C32 Organic Analysis:NMR C-13
5	10th May	C16 Organic Analysis: IR C16 Organic Analysis:NMR- 1H
6	17th May	C16 Organic Analysis: IR C16 Organic Analysis:NMR- 1H
7	24th May	Revision
Summer Half-Term (31st May to 4th June)		
8	7th June	Summer Exam week
9	14th June	C17 Thermodynamics/ C18.Kinetics
10	21st June	C17 Thermodynamics/ C18.Kinetics
11	28th June	Go over Exam paper/ C17 Thermodynamics C18 Kinetics
12	5th July	C17 Thermodynamics C18 Kinetics: Required practical: 7a and research 7b