

St. John's Senior School



Subject: Chemistry
Teacher: Mrs. Payne

Form: L6th
Term: Autumn 2025

WEEK	WEEK BEGINNING	<ul style="list-style-type: none"> TOPIC
1	8 th September	<ul style="list-style-type: none"> C1 Atomic structure/ Isotopes/ Mass Spectrometer
2	15 th September	<ul style="list-style-type: none"> C1 Atomic structure/ Mass spectrometer calculations
3	22 nd September	<ul style="list-style-type: none"> C1 Atomic structure/ electron configuration and Ionisation
4	29 th September	<ul style="list-style-type: none"> C3.1-3.3 Bonding; Ionic, metallic, covalent, Dative bond
5	6 th October	<ul style="list-style-type: none"> C3.4 Structures and properties Mini Test
6	13 th October	<ul style="list-style-type: none"> C3.5 Bonding: electronegativity and polarity C3.6 Bonding/ Shapes of molecules
7	20 th October	<ul style="list-style-type: none"> C2 Amount of substance: Moles/ RMM, Balanced equations/Masses C2 Amount of substance: Empirical and Molecular formulae C2.5 Calculating masses
<ul style="list-style-type: none"> HALF - TERM 		
8	3 rd November	<ul style="list-style-type: none"> C2 Amount of substance: Concentrations/Ideal Gas Equations C3 Required practical 1: Titration
9	10 th November	<ul style="list-style-type: none"> C4 Energetics: Exo, Endo/ Enthalpy changes C4 Energetics / Measuring Enthalpy change
10	17 th November	<ul style="list-style-type: none"> C4 Energetics: Hess' Cycle/ Bond Energy Calculations Required practical 2: Enthalpy change
11	24 th November	<ul style="list-style-type: none"> C5 Kinetics
12	1 st December	<ul style="list-style-type: none"> C6 Equilibria
13	8 th December	<ul style="list-style-type: none"> C6 Equilibria Kc

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WEEK	WEEK BEGINNING	TOPIC
1	6 th January	<ul style="list-style-type: none"> • MOCK EXAMINATION
2	12 th January	<ul style="list-style-type: none"> • C7 Redox
3	19 th January	<ul style="list-style-type: none"> • C8 Periodicity: Trend across period 3 • C9 Group 2 The Alkaline Earth Metals
4	26 th January	<ul style="list-style-type: none"> • C10 The Halogen
5	2 nd February	<ul style="list-style-type: none"> • C10 The Halogen • REQUIRED PRACTICAL: 4
6	9 th February	<ul style="list-style-type: none"> • C11:Introduction to Organic • C11:Nomenclature and isomerism
HALF - TERM		
7	23 rd February	<ul style="list-style-type: none"> • C12: Alkanes
8	2 nd March	<ul style="list-style-type: none"> • C14: Alkenes
9	9 th March	<ul style="list-style-type: none"> • C13: Halogenoalkanes
10	16 th March	<ul style="list-style-type: none"> • C15: Alcohols • REQUIRED PRACTICAL: 5
11	23 rd March	<ul style="list-style-type: none"> • REQUIRED PRACTICAL: 6 • Organic Analysis:IR

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WEEK	WEEK BEGINNING	TOPIC
1	20 th April	<ul style="list-style-type: none">● C17: Thermodynamics 17.1 Enthalpy changes● C17: Thermodynamics 17.2 Born Haber Cycle
2	27 th April	<ul style="list-style-type: none">● C17: Thermodynamics 17.3 Entropy● C17: Thermodynamics 17.4 Gibbs Free Energy Calculations
3	5 th May (Tuesday)	<ul style="list-style-type: none">● C18: Kinetics
4	11 th May	<ul style="list-style-type: none">● C18: Kinetics● REQUIRED PRACTICAL: 7A●
5	18 th May	<ul style="list-style-type: none">● REQUIRED PRACTICAL: 7B
HALF - TERM		
6	1 st June	<ul style="list-style-type: none">● END OF TERM EXAMINATIONS
7	8 th June	<ul style="list-style-type: none">● C19: Equilibria K_p
8	15 th June	<ul style="list-style-type: none">● C20: Electrode Potential
9	22 nd June	<ul style="list-style-type: none">● C20: Electrode Potential
10	29 th June	<ul style="list-style-type: none">● REQUIRED PRACTICAL: 8
11	6 th July	<ul style="list-style-type: none">● C20: Electrode Potential revision● C20: Electrode Potential Test