

St. John's Senior School



Subject: CHEMISTRY
Teacher: S. PAYNE

Form: L6th
Term: Autumn 2023

WEEK	WEEK BEGINNING	TOPIC
1	4 th September	Atomic structure/ isotopes/ mass spectroscopy
2	11 th September	Atomic structure/ electron configuration and Ionisation energies
3	18 th September	Bonding
4	25 th September	Structure and properties
5	2 nd October	MINI-TEST
6	9 th October	Shapes of molecules
7	16 th October	Amount of substance
HALF - TERM		
8	30 th October	Amount of substance
9	6 th November	Amount of substance
10	13 th November	Required practical 1: Titration
11	20 th November	Periodicity
12	27 th November	Periodicity/Energetics
13	4 th December	Energetics

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Term: Spring 2024

WEEK	WEEK BEGINNING	TOPIC
1	3 rd January (Wednesday)	MOCK EXAMINATIONS
2	8 th January	Required practical 2: Enthalpy change
3	15 th January	Kinetics
4	22 nd January	Required practical 3: Rate of reaction
5	29 th January	Equilibria Equilibrium constant, K _c
6	5 th February	Redox
HALF - TERM		
7	19 th February	Introduction to Organic Chemistry
8	26 th February	Alkanes/ Halogenoalkanes
9	4 th March	Halogenoalkanes/ Alkenes
10	11 th March	Alcohols
11	18 th March	Required practical 5

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WEEK	WEEK BEGINNING	TOPIC
1	16 th April (Tuesday)	Required practical 6
2	22 nd April	Group II
3	29 th April	GroupVII
4	7 th May	Required practical 4: Identifying cations and anions (gp2, gp7)
5	13 th May	Thermodynamics /B-H cycle
6	20 th May	Thermodynamics/ Entropy and Free Energy
HALF - TERM		
7	3 rd June	LOWER 6th END OF TERM EXAMINATIONS
8	10 th June	Kinetics II/Rate equations
9	17 th June	Kinetics II/Rate equations
10	24 th June	Required practical: 7a and research 7b
11	1 st July	Required practical: 7b