

S3/S4 Chemistry

TERM 1 (Aug 13th – Nov 14th 2020)

Weeks	Course Outline
Week 1 (August 13 -15)	Unit 2 – Nature's Chemistry 2.1 Hydrocarbon Families: Alkanes
Week 2, 3 (Aug 17 -29)	Alkenes
Week 4, 5 (Aug 31 – Sep 12)	Cycloalkanes
Week 6 (Sep 14 – 19)	Reactions of Alkenes
Week 7, 8 (Sep 21 – Oct 3)	2.2 Everyday Consumer Products: Alkanols
Week 9 (Oct 5 – 10)	Assessment – Hydrocarbon Families Carboxylic Acids & Esters

<p>Week 10</p> <p>(Oct 12 – 17)</p>	<p>MID-TERM HOLIDAY</p>
<p>Week 11</p> <p>(Oct 19 – 24)</p>	<p>Polymers</p> <p>Energy from Fuels</p>
<p>Week 12</p> <p>(Oct 26 – 31)</p>	<p>Assessment – Unit 2</p>
<p>Week 13</p> <p>(Nov 2 – 7)</p>	<p>Unit 3 – Chemistry in Society</p> <p>3.1 - Metal Chemistry:</p> <p>Oxidation & Reduction</p> <p>Metal Reactions</p>
<p>Week 14</p> <p>(Nov 9 - 14)</p>	<p>Electrochemistry</p> <p>Special Cells</p>
<p>Nov 14 – 15</p>	<p>END OF TERM 1</p>

S3/S4 Chemistry

TERM 2 (Nov 16th 2020 – Feb 27th 2021)

Week 1 (Nov 16 – 21)	Revision of Metal Chemistry
Week 2 (Nov 23 – 28)	Extracting Metals
Week 3 (Nov 30 – Dec 5)	ASSESSMENT – Metal Chemistry
Week 4 (Dec 7 – 12)	Unit 3 – Chemistry in Society 3.2 - Fertilisers & Analysis: Sources of Nutrients Nitrogen Fixing
Week 5 (Dec 14 -19)	Haber & Ostwald Processes Comparing Fertiliser
Week 6 (Dec 21 – 23)	Qualitative Analysis
Week 6 - 7	WINTER BREAK

(Dec 24 – Jan 5)	
Week 8 (Jan 6 – 9)	Revision of Fertilisers & Analysis Quantitative Analysis
Week 9 (Jan 11 – 16)	Assessment – Unit 3
Week 10 (Jan 18 – 23)	Unit 1 – Chemical Changes & Structure: 1.1 Reaction Rates Measuring Reaction Rates
Week 11 (Jan 25 – 30)	Reaction Progress Assessment – Reaction Rates
Week 12 (Feb 1 – 5)	1.2 Atomic Chemistry: Atomic Structure Electron Arrangements
Feb (6 – 9)	MID-TERM HOLIDAY
Week 13 (Feb 10 -13)	Radioactivity Nuclear Chemistry

Week 14 (Feb 15 -20)	Assessment – Atomic Chemistry
Week 15 (Feb 22 – 27)	1.3 Bonding & Bonding Structures: Types of Bonding Shapes & Networks
	END OF TERM 2

S3/S4 Chemistry

TERM 3 (March 1st – June 26th 2021)

Week 1 (March 1- 6)	Properties
Week 2 (March 8 - 13)	Assessment – Bonding & Bonding Structures
Week 3 (March 15 - 20)	1.3 Calculations & Formulae Writing: Reading & Writing Chemical Formulae
Week 4 (March 22 - 27)	Formula Mass Percentage Composition Molar Mass
Week 5 (March 29 – April 1st)	Molar Concentrations Balancing Equations
Week 5 - 7 (April 2– 17)	APRIL HOLIDAY
Week 8 (April 19 - 24)	Concentration of Solutions Titration Calculations

Week 9 (April 26 – May 1)	Assessment – Calculations 7 Formulae Writing
Week 10 (May 3 - 8)	MAY DAY, RAMADHAN/EID HOLIDAY
Week 11 (May 10 - 15)	RAMADHAN/EID HOLIDAY
Week 12 (May 17 – 22)	1.4 Acids & Bases: Common Acids & Bases
Week 13 (May 24 -29)	Making Acids & Bases pH
May 28 th – May 31 st , 2021	MID-TERM HOLIDAY
Week 14 (May 31 – June 5)	Reactions of Acids & Bases
Week 15 (June 7 – 12)	Standard Solutions & Titrations
Week 16 (June 14 – 19)	Assessment – Unit 1
Week 17	Revision

(June 21 – 26)	
	END OF TERM 3