

S5 Chemistry

TERM 1 (Aug 13th – Nov 14th 2020)

Weeks	Course Outline
Week 1 (August 13 -15)	Revision of previous knowledge
Week 2, 3 (Aug 17 -29)	<ul style="list-style-type: none">• Chemical changes and structure (c)
Week 4, 5 (Aug 31 – Sep 12)	<ul style="list-style-type: none">• Oxidising and reducing agents• The electrochemical series• ion-electron equation
Week 6 (Sep 14 – 19)	ASSESSMENT <ul style="list-style-type: none">• application of skills of scientific inquiry and related chemistry knowledge and understanding• Reporting experimental work
Week 7, 8 (Sep 21 – Oct 3)	<ul style="list-style-type: none">• redox equations.• preparation of a standard solution• Redox titrations based on redox reactions
Week 9 (Oct 5 – 10)	<ul style="list-style-type: none">• Controlling the rate (i) Collision theory• Reaction pathways• Kinetic energy distribution
Week 10 (Oct 12 – 17)	MID-TERM HOLIDAY
Week 11 (Oct 19 – 24)	ASSESSMENT OF HALF TERM WORK <ul style="list-style-type: none">• Chemical energy Enthalpy is a measure of the chemical energy in a substance.

	<ul style="list-style-type: none"> • The quantity of heat energy released can be determined experimentally and calculated using $E_h = cm\Delta T$. • Researching chemistry (c) Reporting experimental work
<p>Week 12 (Oct 26 – 31)</p>	<ul style="list-style-type: none"> • Nature's chemistry (a) Systematic carbon chemistry • Esters, fats and oils
<p>Week 13 (Nov 2 – 7)</p>	<ul style="list-style-type: none"> • Esters, fats and oils
<p>Week 14 (Nov 9 - 14)</p>	<ul style="list-style-type: none"> • Researching chemistry (c) Reporting experimental work
<p>Nov 14 – 15</p>	<p>END OF TERM 1</p>

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

Week 1 (Nov 16 – 21)	<ul style="list-style-type: none"> • Soaps, detergents and emulsions
Week 2 (Nov 23 – 28)	<ul style="list-style-type: none"> • Alcohols
Week 3 (Nov 30 – Dec 5)	<ul style="list-style-type: none"> • Alcohols
Week 4 (Dec 7 – 12)	<ul style="list-style-type: none"> • Carboxylic acids
Week 5 (Dec 14 -19)	<ul style="list-style-type: none"> • Proteins
Week 6 (Dec 21 – 23)	<ul style="list-style-type: none"> • Oxidation of food
Week 6 - 7 (Dec 24 – Jan 5)	WINTER BREAK
Week 8 (Jan 6 – 9)	ASSESSMENT
Week 9 (Jan 11 – 16)	<ul style="list-style-type: none"> • Fragrances
Week 10 (Jan 18 – 23)	<ul style="list-style-type: none"> • Skin care
Week 11 (Jan 25 – 30)	<ul style="list-style-type: none"> • application of skills of scientific inquiry and related chemistry knowledge and understanding • Reporting experimental work

Week 12 (Feb 1 – 5)	Revision and assessment
Feb (6 – 9)	MID-TERM HOLIDAY
Week 13 (Feb 10 -13)	INTRODUCTION TO UNIT 3 :
Week 14 (Feb 15 -20)	<ul style="list-style-type: none">• Chemistry in society calculations
Week 15 (Feb 22 – 27)	<ul style="list-style-type: none">• Getting the most from reactants
	END OF TERM 2

TERM 3 (March 1st – June 26th 2021)

Week 1 (March 1- 6)	<ul style="list-style-type: none">• Equilibria
Week 2 (March 8 - 13)	<ul style="list-style-type: none">• Equilibria
Week 3 (March 15 - 20)	<ul style="list-style-type: none">• Chemical analysis
Week 4 (March 22 - 27)	<ul style="list-style-type: none">• Chemical analysis
Week 5 (March 29 – April 1st)	Assessment
Week 5 - 7 (April 2– 17)	APRIL HOLIDAY
Week 8 (April 19 - 24)	Revision
Week 9 (April 26 – May 1)	Revision
Week 10 (May 3 - 8)	MAY DAY, RAMADHAN/EID HOLIDAY
Week 11 (May 10 - 15)	RAMADHAN/EID HOLIDAY
Week 12	Revision

(May 17 – 22)	
Week 13 (May 24 -29)	Revision
May 28 th – May 31 st , 2021	MID-TERM HOLIDAY
Week 14 (May 31 – June 5)	Revision
Week 15 (June 7 – 12)	Revision
Week 16 (June 14 – 19)	Revision
Week 17 (June 21 – 26)	Revision
	END OF TERM 3