

## Scope and Sequence Document for: IGCSE Chemistry (Official)

Tutor	Mrs Ann Humphreys		
Tutor qualifications:	B Sc (Hons) Chemistry, Lancaster PGCE	IGCSE/A level Exam board & Specification: No:	CIE IGCSE Chemistry 0620
Resources required:	Cambridge IGCSE Chemistry, (2014), Earl & Wilford, ISBN 9781444176445, Hodder Murray; Basic Chemistry set.		

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
1A	1	04/09/17	<b>Basic Chemistry 1</b> – to include Acids & Alkalis, States of matter, Carbon Dioxide & Limestone
	2	11/09/17	
	3	18/09/17	Assignment 1a
1B	4	25/09/17	<b>Basic Chemistry 2</b> – Mixtures & Separations, Atoms, molecules, Elements & Compounds
	5	02/10/17	
	6	09/10/17	Assignment 1b
2	7	16/10/17	<b>Practical Considerations</b> – Hazards & safety, Apparatus identification,
	8	23/10/17	Half Term
2	9	30/10/17	<b>Practical Considerations</b> – Hazards & safety, Apparatus Identification (Cont.)
	10	06/11/17	Assignment 2
3	11	13/11/17	<b>Atomic Structure</b> – Structure of an Atom, Chemical Formula & Equations, Periodic table, Group 7 & Group 0
	12	20/11/17	
	13	27/11/17	
	14	04/12/17	Assignment 3a
4	15	11/12/17	<b>Chemical Bonding &amp; Structures</b> – Ionic bonding, Covalent bonding, Metallic bonding, Structures
	16	18/12/17	Christmas Holiday
	17	25/12/17	Christmas Holiday
	18	01/01/18	Christmas Holiday
4	19	08/01/18	<b>Chemical Bonding &amp; Structures</b> – Ionic bonding, Covalent bonding, Metallic bonding, Structures (cont.)
	20	15/01/18	
	21	22/01/18	Assignment 4

5	22	29/01/18	<b>Metals</b> – Their reactivity, position in the Periodic table, Group 1, Extraction, Alloys, Uses & Prevention of Corrosion
	23	05/02/18	
	24	12/02/18	Half Term
5	25	19/02/18	Assignment 5
6	26	26/02/18	<b>Chemical Maths</b> – Relative Mass, The Mole, Empirical formulae, Calculations involving Equations, Molar Volumes of gases, % yield, % purity
	27	05/03/18	
	28	12/03/18	Assignment 6a
7	29	19/03/18	<b>Acids, Bases &amp; Salts</b> – Acid theory, Neutralisation, Ionic equations, Salt Preparation & uses; Molar Solutions
	30	26/03/18	Easter Holiday
	31	02/04/18	Easter Holiday
	32	09/04/18	Easter Holiday
7	33	16/04/18	<b>Acids, Bases &amp; Salts</b> – Acid theory, Neutralisation, Ionic equations, Salt Preparation & uses; Molar Solutions (Cont.)
	34	23/04/18	
	35	30/04/18	Assignment 7
	36	07/05/18	Revision
	37	14/05/18	Exam
8	38	21/05/18	<b>Water</b> – Water Purification, The Air, Oxygen, Oxides
	39	28/05/18	Half Term
8	40	04/06/18	<b>Water</b> – Water Purification, The Air, Oxygen, Oxides
	41	11/06/18	Assignment 8
9	42	18/06/18	<b>Non-Metal Chemistry</b> – Nitrogen, Haber Process, Sulphur
	43	25/06/18	Assignment 9
NSW Summer holiday period – 2 July – 31 August 2018			
10	1	03/09/18	<b>Carbon 1</b> – Names & structures, Fuels, Alkanes, Alkenes, Alcohols & Acids
	2	10/09/18	
	3	17/09/18	
	4	24/09/18	Assignment 10
11	5	01/10/18	<b>Physical Chemistry</b> - Energetics of a reaction, Speed of reaction, Reversible reactions
	6	08/10/18	
	7	15/10/18	Assignment 11
	8	22/10/18	Half Term

12	9	29/10/18	<b>Electricity &amp; Chemistry</b> – Electrolysis, Industrial applications, Batteries & the production of electrical energy from chemicals. Redox
	10	05/11/18	
	11	12/11/18	
	12	19/11/18	Assignment 12
14	13	26/11/18	<b>Identification</b> – Anions, Cations & Gases
	14	03/12/18	Assignment 14
15	15	10/12/18	<b>Practical Considerations 2</b> – Looking at Paper 6
	16	17/12/18	Christmas Holiday
	17	24/12/18	Christmas Holiday
	18	31/12/18	Christmas Holiday
15	19	07/01/19	Assignment 15
	20	14/01/19	Revision
	21	21/01/19	<b>Mock exam</b>
13	22	28/01/19	<b>Carbon 2</b> – Macromolecules (Synthetic polymers & natural macromolecules)
	23	04/02/19	
	24	11/02/19	Half Term
13	25	18/02/19	Assignment 13
16	26	25/02/19	Review – Past papers
	27	04/03/19	
	28	11/03/19	Assignment 16
	29	18/03/19	Personal Revision
	30	25/03/19	
	31	01/04/19	
		08/04/19	Easter Holiday
		15/04/19	Easter Holiday
		22/04/19	Easter Holiday
		29/04/19	
		06/05/19	
		13/05/19	
		20/05/19	
		27/05/19	Half Term
		03/06/19	
		10/06/19	

		17/06/19	
		24/06/19	