

Scope and Sequence Document for: IGCSE Chemistry

Tutor	Ann Humphreys		
Tutor qualifications:	B Sc (Hons) Chemistry, Lancaster PGCE	IGCSE/A level Exam board & Specification No:	IGCSE Chemistry CAIE 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	02/09/19	Basic Chemistry 1 – to include Acids & Alkalis, States of matter, Carbon Dioxide & Limestone
	2	09/09/19	
	3	16/09/19	Assignment 1a
1B	4	23/09/19	Basic Chemistry 2 – Mixtures & Separations, Atoms, molecules, Elements & Compounds
	5	30/09/19	
	6	07/10/19	Assignment 1b
2	7	14/10/19	Practical Considerations – Hazards & safety, Apparatus identification,
	8	21/10/19	Half Term
2	9	28/10/19	Practical Considerations – Hazards & safety, Apparatus Identification (Cont.)
	10	04/11/19	Assignment 2
3	11	11/11/19	Atomic Structure – Structure of an Atom, Chemical Formula & Equations, Periodic table, Group 7 & Group 0
	12	18/11/19	
	13	25/11/19	
	14	02/12/19	Assignment 3a
4	15	09/12/19	Chemical Bonding & Structures – Ionic bonding, Covalent bonding, Metallic bonding, Structures
	16	16/12/19	Christmas Holiday
	17	23/12/19	Christmas Holiday
	18	30/12/19	Christmas Holiday

4	19	06/01/20	Chemical Bonding & Structures – Ionic bonding, Covalent bonding, Metallic bonding, Structures (cont.)
	20	13/01/20	
	21	20/01/20	Assignment 4
5	22	27/01/20	Metals – Their reactivity, position in the Periodic table, Group 1, Extraction, Alloys, Uses & Prevention of Corrosion
	23	03/02/20	
	24	10/02/20	Half Term
5	25	17/02/20	Assignment 5
6	26	24/02/20	Chemical Maths – Relative Mass, The Mole, Empirical formulae, Calculations involving Equations, Molar Volumes of gases, % yield, % purity
	27	02/03/20	
	28	09/03/20	Assignment 6b
7	29	16/03/20	Acids, Bases & Salts – Acid theory, Neutralisation, Ionic equations, Salt Preparation & uses; Molar Solutions
	30	23/03/20	
	31	30/03/20	
	32	06/04/20	Easter Holiday
	33	13/04/20	Easter Holiday
	34	20/04/20	Easter Holiday
7	35	27/04/20	Assignment 7
	36	04/05/20	Revision
	37	11/05/20	Exam
8	38	18/05/20	Water – Water Purification, The Air, Oxygen, Oxides
	39	25/05/20	Half Term
8	40	01/06/20	Water – Water Purification, The Air, Oxygen, Oxides
	41	08/06/20	Assignment 8
9	42	15/06/20	Non-Metal Chemistry – Nitrogen, Haber Process, Sulphur
	43	22/06/20	Assignment 9
NSW Summer holiday period – 1 July – 31 August 2020			
10	1	07/09/20	Carbon 1 – Names & structures, Fuels, Alkanes, Alkenes, Alcohols & Acids
	2	14/09/20	
	3	21/09/20	
	4	28/09/20	Assignment 10

11	5	05/10/20	Physical Chemistry - Energetics of a reaction, Speed of reaction, Reversible reactions
	6	12/10/20	
	7	19/10/20	
	8	26/10/20	Half Term
12	9	02/11/20	Electricity & Chemistry – Electrolysis, Industrial applications, Batteries & the production of electrical energy from chemicals. Redox
	10	09/11/20	
	11	16/11/20	
	12	23/11/20	
14	13	30/11/20	Identification – Anions, Cations & Gases
	14	07/12/20	Assignment 14
15	15	14/12/20	Practical Considerations 2 – Looking at Paper 6
	16	21/12/20	Christmas Holiday
	17	28/12/20	Christmas Holiday
	18	04/01/21	Christmas Holiday
15	19	11/01/21	Assignment 15
	20	18/01/21	Revision
	21	25/01/21	Mock exam
13	22	01/02/21	Carbon 2 – Macromolecules (Synthetic polymers & natural macromolecules)
	23	08/02/21	
	24	15/02/21	Half Term
13	25	22/02/21	Assignment 13
16	26	01/03/21	Review – Past papers
	27	08/03/21	
	28	15/03/21	
	29	22/03/21	Personal Revision
		29/03/21	Easter Holiday
		05/04/21	Easter Holiday
		12/04/21	Easter Holiday
		19/04/21	
		26/04/21	
		03/05/21	
		10/05/21	
		17/05/21	

		24/05/21	
		31/05/21	Half Term
		07/06/21	
		14/06/21	
		21/06/21	
		28/06/21	