

Scope and Sequence Document for: IGCSE Chemistry (Official)

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	03/09/18	Basic Chemistry 1 – to include Acids & Alkalis, States of matter, Carbon Dioxide & Limestone
	2	10/09/18	
	3	17/09/18	Assignment 1a
1B	4	24/09/18	Basic Chemistry 2 – Mixtures & Separations, Atoms, molecules, Elements & Compounds
	5	01/10/18	
	6	08/10/18	Assignment 1b
2	7	15/10/18	Practical Considerations – Hazards & safety, Apparatus identification,
	8	22/10/18	Half Term
2	9	29/10/18	Practical Considerations – Hazards & safety, Apparatus Identification (Cont.)
	10	05/11/18	Assignment 2
3	11	12/11/18	Atomic Structure – Structure of an Atom, Chemical Formula & Equations, Periodic table, Group 7 & Group 0
	12	29/11/18	
	13	26/11/18	
	14	03/12/18	Assignment 3a
4	15	10/12/18	Chemical Bonding & Structures – Ionic bonding, Covalent bonding, Metallic bonding, Structures
	16	17/12/18	Christmas Holiday
	17	24/12/18	Christmas Holiday
	18	31/12/18	Christmas Holiday

4	19	07/01/19	Chemical Bonding & Structures – Ionic bonding, Covalent bonding, Metallic bonding, Structures (cont.)
	20	14/01/19	
	21	21/01/19	Assignment 4
5	22	28/01/19	Metals – Their reactivity, position in the Periodic table, Group 1, Extraction, Alloys, Uses & Prevention of Corrosion
	23	04/02/19	
	24	11/02/19	Half Term
5	25	18/02/19	Assignment 5
6	26	25/02/19	Chemical Maths – Relative Mass, The Mole, Empirical formulae, Calculations involving Equations, Molar Volumes of gases, % yield, % purity
	27	04/03/19	
	28	11/03/19	Assignment 6b
7	29	18/03/19	Acids, Bases & Salts – Acid theory, Neutralisation, Ionic equations, Salt Preparation & uses; Molar Solutions
	30	25/03/19	
	31	01/04/19	
	32	08/04/19	Easter Holiday
	33	15/04/19	Easter Holiday
	34	22/04/19	Easter Holiday
7	35	29/04/19	Assignment 7
	36	06/05/19	Revision
	37	13/05/19	Exam
8	38	20/05/19	Water – Water Purification, The Air, Oxygen, Oxides
	39	27/05/19	Half Term
8	40	03/06/19	Water – Water Purification, The Air, Oxygen, Oxides
	41	10/06/19	
9	42	17/06/19	Non-Metal Chemistry – Nitrogen, Haber Process, Sulphur
	43	24/06/19	
NSW Summer holiday period – 1 July – 31 August 2019			
10	1	02/09/19	Carbon 1 – Names & structures, Fuels, Alkanes, Alkenes, Alcohols & Acids
	2	09/09/19	
	3	16/09/19	
	4	23/09/19	Assignment 10
11	5	30/09/19	Physical Chemistry - Energetics of a reaction, Speed of reaction, Reversible reactions
	6	07/10/19	

11	7	14/10/19	Assignment 11
	8	21/10/19	Half Term
12	9	28/10/19	Electricity & Chemistry – Electrolysis, Industrial applications, Batteries & the production of electrical energy from chemicals. Redox
	10	04/11/19	
	11	11/11/19	
	12	18/11/19	Assignment 12
14	13	25/11/19	Identification – Anions, Cations & Gases
	14	02/12/19	Assignment 14
15	15	09/12/19	Practical Considerations 2 – Looking at Paper 6
	16	16/12/19	Christmas Holiday
	17	23/12/19	Christmas Holiday
	18	30/12/19	Christmas Holiday
15	19	06/01/20	Assignment 15
	20	13/01/20	Revision
	21	20/01/20	Mock exam
13	22	27/01/20	Carbon 2 – Macromolecules (Synthetic polymers & natural macromolecules)
	23	03/02/20	
	24	10/02/20	Half Term
13	25	17/02/20	Assignment 13
16	26	24/02/20	Review – Past papers
	27	02/03/20	
	28	09/03/20	Assignment 16
	29	16/03/20	Personal Revision
	30	23/03/20	
	31	30/03/20	
		06/04/20	Easter Holiday
		13/04/20	Easter Holiday
		20/04/20	Easter Holiday
		27/04/20	
		04/05/20	
		11/05/20	
		18/05/20	
		25/05/20	Half Term

		01/06/20	
		08/06/20	
		15/06/20	
		22/06/20	