Edexcel iGCSE Chemistry 4CH0 Learning Plan

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| **Section A2: Atomic structure** | | |
| Specification | Resources | Assessment |
| 1.8 recall that atoms consist of a central nucleus, composed of protons and neutrons,  surrounded by electrons, orbiting in shells  1.9 recall the relative mass and relative charge of a proton, neutron and electron  1.10 understand the terms atomic number, mass number, isotopes and relative atomic mass (*Ar)*  1.11 calculate the relative atomic mass of an element from the relative abundances of its isotopes  1.12 understand that the Periodic Table is an arrangement of elements in order of atomic number  1.13 deduce the electronic configurations of the first 20 elements from their positions in the Periodic Table  1.14 deduce the number of outer electrons in a main group element from its position in the Periodic Table. | Video: Section 1 – Lesson 1 – States of Matter and Atomic Structure (from 18.55 to the end).  Powerpoint: Chemistry - Section 1 – Lesson 1 (slide 55 to end)  Textbook:  Page 6 – Chapter 2: Atomic Structure  Page 7 – The structure of the atom  Page 7 – Atomic number and mass number  Page 8 – The electrons; to Page 11  Page 12 – Chapter check list | Textbook  Page 12 – end of chapter questions.  Talking paper – Edexcel Chemistry Section A2 Atomic structure.  Section A2 Question – Atomic structure. (pdf)  Section A2 Question – mark scheme. (pdf) |

Videos – www.igcsesciencecourses.com

Textbook Ref: Edexcel International GCSE Chemistry Student Book - Clark

DVD Video Clips – see resource DVD in textbook.