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 shells1.9 recall the relative mass and relative charge of a proton, neutron and electron1.10 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 isotopes1.12 understand that the Periodic Table is an arrangement of elements in order of atomic number1.13 deduce the electronic configurations of the first 20 elements from their positions in the Periodic Table1.14 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 StructurePage 7 – The structure of the atomPage 7 – Atomic number and mass numberPage 8 – The electrons; to Page 11Page 12 – Chapter check list | TextbookPage 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.