

## Edexcel iGCSE Chemistry 4CH0 Learning Plan

Section A2: Atomic structure		
Specification	Resources	Assessment
<p>1.8 recall that atoms consist of a central nucleus, composed of protons and neutrons, surrounded by electrons, orbiting in shells</p> <p>1.9 recall the relative mass and relative charge of a proton, neutron and electron</p> <p>1.10 understand the terms atomic number, mass number, isotopes and relative atomic mass (<math>A_r</math>)</p> <p>1.11 calculate the relative atomic mass of an element from the relative abundances of its isotopes</p> <p>1.12 understand that the Periodic Table is an arrangement of elements in order of atomic number</p> <p>1.13 deduce the electronic configurations of the first 20 elements from their positions in the Periodic Table</p> <p>1.14 deduce the number of outer electrons in a main group element from its position in the Periodic Table.</p>	<p><a href="#">Video: Section 1 – Lesson 1 – States of Matter and Atomic Structure (from 18:55 to the end).</a></p> <p><a href="#">Powerpoint: Chemistry - Section 1 – Lesson 1 (slide 55 to end)</a></p> <p>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</p>	<p>Textbook            Page 12 – end of chapter questions.</p> <p><a href="#">Talking paper – Edexcel Chemistry Section A2 Atomic structure.</a></p> <p>Section A2 Question – Atomic structure. (pdf)</p> <p>Section A2 Question – mark scheme. (pdf)</p>

Videos – [www.igcse science courses.com](http://www.igcse science courses.com)

Textbook Ref: Edexcel International GCSE Chemistry Student Book - Clark

DVD Video Clips – see resource DVD in textbook.

# Gcse Chemistry 2012 Jac 1c

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