Edexcel iGCSE Chemistry 4CH0 Learning Plan

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| **Section E22: RAMS and Moles** | | |
| Specification | Resources | Assessment |
| 1.16 calculate relative formula masses (Mr) from relative atomic masses (Ar)  1.17 understand the use of the term mole to represent the amount of substance **1.18 understand the term mole as the Avogadro number of particles (atoms, molecules, formulae, ions or electrons) in a substance**  1.19 carry out mole calculations using relative atomic mass (Ar) and relative formula mass (Mr)  **1.20 understand the term molar volume of a gas and use its values (24 dm3 and 24,000 cm3) at room temperature and pressure (rtp) in calculations.** | Video: Section 1 Lesson 2 – Relative Formula Mass and Chemical Equations – Beginning to 12:30 Section 1 Lesson 3 – Chemical Formulae – All.  Powerpoint: Section 1 Lesson 2 – Start to Slide 49; Section 1 Lesson 3 – All slides.  Textbook: Ch 22 – RAMs and Moles  Page 176 – Relative atomic mass (RAM or Ar)  Page 178 – Relative formula mass (RFM or Mr)  Page 179 – The mole  Page 182 – Using moles to find formulae  Page 185 – End of Chapter Checklist  Edexcel iGCSE Chemistry Student Checklist Section E22.doc | Textbook  Page 185 – 186 Questions 1 to 15  Textbook Answers.pdf  Talking paper – Edexcel Chemistry Section 22  Section 22 Exam Question –. (pdf)  Section 22 Exam Question – mark scheme. (pdf) |

**Jim Clark video clips:** [**http://www.chemguide.co.uk/igcse/chapters/chapter22.html**](http://www.chemguide.co.uk/igcse/chapters/chapter22.html)

Videos – www.igcsesciencecourses.com

Textbook Ref: Edexcel International GCSE Chemistry Student Book - Clark

DVD Video Clips – see resource DVD in textbook.