Edexcel International GCSE Chemistry 4CH1 Learning Plan

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| **Unit: 2. Inorganic Chemistry** | | **Chapter: 11. The Alkali Metals** | | **Hours: 4** |
| Content coverage | Learning outcomes | Resources | Assessment | |
| **Section 2: Inorganic chemistry**  (a) Group 1 (alkali metals) | 2.1 understand how the similarities in the reactions of these elements with water provide evidence for their recognition as a family of elements  2.2 understand how the differences between the reactions of these elements with air and water provide evidence for the trend in reactivity in Group 1  2.3 use knowledge of trends in Group 1 to predict the properties of other alkali metals  **2.4C explain the trend in reactivity in Group 1 in terms of electronic configurations.** | Video: Section 2 Lesson 1 – The Periodic Table and Group 1 Elements.  Powerpoint: Section 2 Lesson 1 – The Periodic Table and Group 1 Elements.  Textbook pages:  Page 123 – Physical properties  Page 124 – Storage and handling  Page 124 – A family of elements  Page 125 – reactions with water  Page 126 – Explaining the increase in reactivity  Page 127 – Reactions of the alkali metals with the air  Page 127 – Compounds of the alkali metals  Page 127 – summarising the main features of the Group 1 elements  Page 128 – Predicting the properties of Francium | Page 129 Qs (1) to (4)  Chapter 11 Answers to textbook questions  Unit 2-11 The Alkali Metals exam question - pdf  Unit 2-11 The Alkali Metals exam question mark scheme – pdf  Section 12 - Talking paper video | |

Videos – [www.igcsesciencecourses.com](http://www.igcsesciencecourses.com)

Textbook Ref: Edexcel International GCSE (9-1) Chemistry Student Book - Pearson (Clark, Owen and Yu)