Edexcel International GCSE Chemistry 4CH1 Learning Plan

|  |  |  |
| --- | --- | --- |
|  **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 elements2.2 understand how the differences between the reactions of these elements with air and water provide evidence for the trend in reactivity in Group 12.3 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 propertiesPage 124 – Storage and handlingPage 124 – A family of elementsPage 125 – reactions with waterPage 126 – Explaining the increase in reactivityPage 127 – Reactions of the alkali metals with the airPage 127 – Compounds of the alkali metalsPage 127 – summarising the main features of the Group 1 elementsPage 128 – Predicting the properties of Francium | Page 129 Qs (1) to (4)Chapter 11 Answers to textbook questionsUnit 2-11 The Alkali Metals exam question - pdfUnit 2-11 The Alkali Metals exam question mark scheme – pdfSection 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)