

**STUDENT UNIT PLANNER**

**Year 10 Chemistry**

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| **Year Level:** | | | 10 | | Student checklist: 🗹 when you know… | |
| **Subject:** | | | Science | | Assessment due dates  The learning goals and success criteria for this term  Changes to routines e.g. excursions  When assessment practice lessons will occur (exemplars)  When revision lessons will occur | |
| **Term/Year:** | | | 1 / 2024 | |
| **Unit Title:** | | | Genetics (Biology) + Chemistry | |
| **Assessment:** | | | Exam | |
| **Key Resource:** | | | OneNote | |
| **WK** | **Wk. Beg** | **Holidays or variations this week** | **Lesson 1** | **Lesson 2** | | **Lesson 3** |
| T1 Wk7 | 4 Mar. 24 |  | **EXAM** | **Introduce Chemistry Unit**  **LG1- SC1, 2, 3**   * Structure of the atom. * Bohr model diagram. | | **Structure of Periodic Table**  **LG2- SC4**   * Identifying structure of the periodic table (groups and periods). * Group names (grp 1,2,7,8). |
| T1 Wk8 | 11 Mar. 24 |  | **Periodic Table- Properties of Elements**  **LG2- SC5, 6, 7**   * Analyse how the periodic table organises elements to predict the properties of an element. | **Chemical Reactions**  **LG3- SC8, 9, 10**   * Define key terms used in chemical reactions and equations. * Describe and list examples of the 5 main types of reactions. | | **Chemical Reactions**  **LG3- SC8, 9, 10**   * Describe and list examples of the 5 main types of reactions. |
| T1 W9 | 18 Mar. 24 |  | **Formation of Ions**  **LG3- SC10**   * Describe the formation of ions (anions and cations). * Predict chemical formulas using a table of ions. | **Chemical Formula**  **LG3- SC10**   * (REVIEW)Predict chemical formulas using a table of ions. | | **Balancing Equations**  **LG3- SC10**   * Identify balanced equations. * Justify the Law of Conservation of Mass by writing balanced equations. |
| T1 wk10 | 25 Mar. 24 | Good Friday  29/3 | **Balancing Equations Cont.**  **LG3- SC10**   * Justify the Law of Conservation of Mass by writing balanced equations. | **Reaction Rates**  **LG4- SC11, 12, 13**   * Define key terms used in reaction rates. * Identify and explain key factors that affect the rate of a reaction. | | **Student Experiment Hand Out**  **LG5- SC14, 15, 16** |
| **T2 Wk1** | **15 Apr. 24** |  | **LG5, SC14, 15, SC16,**  **Handout Assignment – Student Experiment**  Research and write rationale  Develop a hypothesis | **Assignment**  Plan method  Do risk assessment | | **LG5, SC14, 15, 16**  Conduct Experiment |
| T2 Wk2 | 22 Apr. 24 | **Thurs 25th**  **ANZAC DAY** | **ANZAC**  **DAY** | **LG5, SC14, 15, 16**  Conduct Experiment | | **LG5, SC14, 15, 16**  Conduct Experiment |
| T2 Wk3 | 29 Apr. 24 |  | **LG5, SC14, 15, 16**  Collate and graph data. Identify sources of uncertainty and error. | **LG5, SC14, 15, 16**  Analyse recorded data with explanation of sources of error | | **LG5, SC14, 15, 16**  Summarise your findings in a concise and coherent conclusion |
| T2 Wk4 | 6 May. 24 | **Mon 6th Labour Day** | **LABOUR**  **DAY** | **Assignment Due**  **Begin Physics Unit**  **LG1, SC1**  Definitions | | **LG1, SC2**  Convert between units of distance, time and speed |