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| **STUDENT UNIT PLANNER** | | | | | | | |
| Year Level: | | | | 9 | | Student check list: 🗹 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:** | | | | 1/2022 | |
| **Unit Title:** | | | | Chemical Reaction | |
| **Assessment:** | | | | Exam and Investigation | |
| **Key Resource:** | | | |  | |
| ***Student Achievement: Last unit I achieved a \_\_\_\_result. At the end of this unit, I am aiming to achieve a \_\_\_\_\_ result.*** | | | | | | | |
| ***WK*** | **Wk. Beg** | **Holidays or variations this week** | **Lesson 1** | | **Lesson 2** | | **Lesson 3** |
| 1 | 24 Jan. 22 | Aust. Day  Wed 26th | ***AUSTRALIA DAY HOLIDAY*** | | STUDENTS AWAY | | STUDENTS AWAY |
| 2 | 31 Jan. 22 |  | STUDENTS AWAY | | STUDENTS AWAY | | STUDENTS AWAY |
| 3 | 7 Feb. 22 | Swim. Carnival 09/02 | **LG1, SC1, SC2, SC3,**  **Term Organisation**  Student Planner  LG’s and SC  **Atoms and their structure**  **Define** molecules, compounds, elements, atoms  **Explain** and **draw** the structure of an atom | | **LG1, SC3**  **Compare** the mass and charge of Protons, neutrons and electrons | | **LG1, SC2**  **Draw** the electron configuration (arrangement in shells)  ***Cosmos*** – “Atoms” |
| 4 | 14 Feb. 22 | My PB  17/02 | **LG1, SC3**  ***Prac****:* Investigate – Flame Test | | **LG1, SC4, SC5**  **Describe** radioactive particles  Alpha and beta particles and gamma radiation  ***Read to Write*** – *Radioactive Decay*  ***Cosmos*** – “Radiation” | | **LG2, SC6, SC7**  **Identify** reactants and products in chemical reactions  ***Cosmos*** – “Chemical reactions” |
| 5 | 21 Feb. 22 |  | **Catch up / Review** | | **LG2, SC7, SC8**  **Represent** chemical reactions – words, diagrams, symbols  **Identify** reactants and products | | **LG2, SC9**  **Apply** the law of conservation of matter  ***Cosmos*** – “Reactions and Energy” |
| 6 | 28 Feb. 22 |  | **LG2, SC10**  ***Prac:*** Investigate Exothermic and Endothermic reactions | | **LG3, SC11**  **Define** acids and bases  ***Read to Write*** – *Acids and Bases* | | **LG3, SC12, SC13**  **Explain** neutralisation  I**nvestigate** acid & base reactions  ***Cosmos*** – “Acids and Bases” |
| 7 | 7 Mar. 22 |  | **LG3, SC13**  ***Prac:*** Investigate Reactions between Acids and metals, bases and carbonates | | Revision | | Exam |
| 8 | 14 Mar. 22 |  | **LG4**, **SC15** – **Investigate** chemical reactions   * Hand out assignment * Select identify chemical reaction being used | | **LG4, SC16**  Assignment lesson   * Design experiment * Check method with teacher and **Identify** hazards | | **LG4, SC17**  Assignment lesson   * Conduct experiment and gather results * **Apply** skills for the use of scientific instruments |
| 9 | 21 Mar. 22 |  | **LG4, SC18 - 21**  Assignment lesson   * Catch up lesson for completion of experiment * Analyse results | | **LG4, SC18 - 21**  Assignment lesson   * **Analyse** results * **Describe** and **Explain** results | | **LG4, SC18 - 21**  Assignment lesson   * STILE section of assignment due |
| 10 | 28 Mar. 22 | Good Friday 15/04 | **LG4, SC18 - 21**  Assignment lesson   * Begin work on research poster. | | Assignment Due   * Submission of research poster | | End of term activity |