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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. DayWed 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 PlannerLG’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 PB17/02 | **LG1, SC3*****Prac****:* Investigate – Flame Test | **LG1, SC4, SC5****Describe** radioactive particlesAlpha 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** neutralisationI**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
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| 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
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| 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 |