|  |
| --- |
|  |
| **STUDENT UNIT PLANNER** |
| **Year Level:** | 7 | 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 / 2019 |
| **Unit Title:**  | Introduction to the Laboratory & Separating Mixtures – *Sizzling Science* |
| **Assessment:** | Assignment due week 9 |
| **Key Resource:**  |   |
| **Student Achievement:** 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 | 28 Jan. 19 | Australia Day Holiday Monday 27th | **AUSTRALIA DAY HOLIDAY** | **LGA, SC a, b & c****Laboratory Safety*** Safety rules
* Safety equipment and procedures
 | **LGA, SC d****Laboratory Equipment*** Pieces of laboratory equipment and their uses
* Drawing scientific equipment
 |
| 2 | 4 Feb. 19 | Swimming Carnival  | **LGA, SC e, f & g****Bunsen Burners**-parts of the Bunsen burner-how to use-safety | **LGA, SC e, f & g**Bunsen Burner Licenses | **LGA, SC e, f & g**Bunsen Burner Prac – heating water (measuring temperature) |
| 3 | 11 Feb. 19 | School photos | **LG1: SC 1,2,3,4****Scientific Method****Fair tests and variables** – independent and dependent variables, control variables | **LG2: SC 5,8,9,10,11****Scientific Method****Fair tests and variables** – Write an aim and hypothesis prior to testing. Materials and Method. Record and present results. Draw a conclusion | **LG2: SC10,11****Scientific Method**Prac – conduct a fair test |
| 4 | 18 Feb. 19 | My PB  | **LG2: SC10****Measuring accurately and Reading Scales** – measuring competition | **LG 1: SC4**Making inferences and observations | **LG 1: SC4**Prac – observations and inferences |
| 5 | 25 Feb. 19 |  |  **YEAR 7 CAMP** |
| 6 | 4 Mar. 19 |  | **LG3: SC12,13**Chemistry* Substances, mixtures, solutes, solvents, solutions
 | **LG3: SC14,15,16,19**- solvents, solutes, solutions- solubility- homogenous & heterogeneous mixtures | **LG3: SC16**Prac - solubility |
| 7 | 11 Mar. 19 |  | **LG4: SC17, 18 & 20****Filtration and decanting*** Definitions
* Identify applications in waste water management
 | **LG4: SC17,18 & 20****Evaporation and distillation*** Definitions
* Identify applications in waste water management and commercial contexts
* Numeracy – calculating % reclaimed
 | **LG4: SC17,18 & 20****Magnetism*** Definition and explanation
* Identify applications in waste management and recycling
 |
| 8 | 18 Mar. 19 |  | **LG4: SC17,18 & 20**CrystallisationDissolvingCentrifuging | **LG4: SC17,18 & 20****COSMOS** – Separating Mixtures | **LG1: SC6 & 7****ASSIGNMENT OUT*** Conduct experiment
* Record results
* Calculate averages
 |
| 9 | 25 Mar. 19 |  | **LG1: SC6 & 7****Assignment Lesson*** Conduct experiment
* Record results
* Calculate Averages
 | **LG1: SC6 & 7****Assignment Lesson** * Analyse results
* Write report
 |  **LG1: SC6 & 7****ASSIGNMENT DUE*** Write report (continued)
* Extension (taking it further)
 |
| 10 | 1 Apr. 19 |  | **LG4: SC17, 18 & 20****Return Assessment****Chromatography**•Definition and explanation •Identify applications in forensic science – ‘Who Dunnit?’ Activity | **LG4: SC21**Separation techniques in the home and those used by Indigenous Australians | **LG4: SC22**Separation techniques in the food and wine industries |