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| **STUDENT UNIT PLANNER** | | | | | | |
| **Year Level:** | | | 8 | | 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  When revision lessons will occur | |
| **Term/Year:** | | | 1 / 2023 | |  | |
| **Unit Title:** | | | What’s the Matter? | |  | |
| **Assessment:** | | | Exam week 6, Assignment due week 9 | |  | |
| **Key Resource:** | | | Stile App, Science Ways 1 – Unit 1 & 11, Science Ways 2 – Unit 9 | |  | |
| **WK** | **Wk. Beg** | **Lesson 1** | | **Lesson 2** | | **Lesson 3** |
| 1 | 23 Jan. 23 | **Review of concepts from year 7**  Introduce chemistry unit  Laboratory Safety & evacuation procedures  Set expectations. | | **LG1 – SC1**  **Atoms, Molecules, Elements, Compounds**  Definitions and examples  Drawing pictures of simple elements, compounds and mixtures using symbols and chemical formulae | | **LG1 – SC2**  **Timeline of element concept.** |
| 2 | 30 Jan. 23 | **LG1 – SC3**  **Identifying chemical symbols in the periodic table**  First 20 elements – names, number, symbols, position on Periodic Table | | **LG1 – SC3**  **Identifying chemical symbols in the periodic table**  First 20 elements plus Fe,Cu,Zn Ag,Au | | **LG 1 - SC1**  Model, using 2 dimensional and 3 dimensional models, the arrangement of particles in molecules and compounds.  **Activity**  Molecule building |
| 3 | 6 Feb. 23 | **LG 1 - SC1**  Model, using 2 dimensional and 3 dimensional models, the arrangement of particles in molecules and compounds.  **Activity -** Molecule building | | **LG2 – SC5**  **Mixtures**  Pure substances and mixtures.  Percentage composition of mixtures. | | **LG2 – SC6**  **Mixtures**  Classify mixtures as solutions, suspensions or colloids |
| 4 | 13 Feb. 23 | **LG2 – SC7**  **Mixtures**  Properties of mixtures dependant on percent composition | | **LG3 - SC8**  **Physical and chemical change**  Identifying the differences between chemical and physical change.  Identify 4 pieces of evidence that a chemical change has taken place | | **LG3- SC8, SC9**  **Stile lesson**  Elements and Compounds, Chemical and Physical Change |
| 5 | 20 Feb. 23 | **LG3- SC8, SC9**  **Stile lesson**  Elements and Compounds, Chemical and Physical Change | | **LG3 – SC9**  Investigate simple reactions such as combining elements to make a compound | | Catch up lesson |
| 6 | 27 Feb. 23 | **Revision** | | **Revision** | | **EXAM** |
| 7 | 6 Mar. 23 | **LG4**  **Experiment**  Melting chocolate fair test  Carry out experiment and collect data | | **LG4**  **Experiment**  Melting chocolate fair test  Construct tables and graphs to represent relationships and trends in the collected data | | **LG4**  **Experiment**  Melting chocolate fair test  Conclusion and evaluation of experiment |
| 8 | 13 Mar. 23 | **LG4**  **ASSIGNMENT OUT**   * Aim * Hypothesis * Variables * Risk Assessmet | | **LG4**  **Assignment**   * Method * Diagram * Trials | | **LG4**  **Assignment**   * Conduct experiment * Record results * Calculate averages |
| 9 | 20 Mar. 23 | **LG4**  **Assignment**   * Conduct experiment * Record results * Calculate averages | | **LG4**  **Assignment**   * Conclusion | | **LG4**  **ASSIGNMENT DUE** |
| 10 | 27 Mar. 23 | **Follow up assessment**. | | **Optional Experiments**   * Ice-cream in a bag experiment * Stile practical activity – skill builder   Measurement stations   * Stile practical - elements and compounds   3.2 Burning Magnesium | | **End of term** |