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| Student check list: 🗹 when you know…[ ]  The learning goals and success criteria for this term [ ]  Changes to routines e.g. excursions | [ ]  Assessment due dates |
| [ ]  When assessment practice lessons will occur (exemplars)[ ]  When revision lessons will occur |
| **WK** | **Wk. Beg** | **Holidays or variations this week** | **Lesson 1** | **Lesson 2**  | **Lesson 3**  |
| 1 | 8 Jul. 24 | **Work Exp.** |  |  |  |
| 2 | 15 Jul. 24 |  | **Assumed knowledge:**Atomic Structure, Chemical Formulas, Balanced equations, General structure of the Periodic Table | **Percent composition** of elements in a chemical formula | **Mole concept:**Avogadro’s numberMolar MassFormula to determine moles  |
| 3 | 22 Jul. 24 |  | **Mole concept:**Solve basic problems involving mass, moles and molar mass | **Mole concept:**Use the mole concept to calculate mass of reactants/products in a balanced equation | **Mole concept:**Use the mole concept to calculate mass of reactants/products in a balanced equation |
| 4 | 29 Jul. 24 |  | **Mole concept:**Identifying limiting reagents in a balanced chemical equation | **Mole concept:**Solve problems using limiting reagents to determine the mass of products formed | **Aqueous solutions:**Understand the term concentration (Molarity) and explain how different molarity solutions are made. |
| 5 | 5 Aug. 24 |  | **Aqueous solutions:**Solve problems involving concentrations and volumes of reactants to determine amount of products | **Aqueous solutions:**Solve problems involving concentrations and volumes of reactants to determine amount of products | **Measurement uncertainty and error:**Understand the role of significant figures in calculations |
| 6 | 12 Aug. 24 |  | **Measurement uncertainty and error:**Qualitative and Quantitative dataRandom and systemic errorsMeasurement uncertainties | **Measurement uncertainty and error:**Calculate the measurement uncertainties in processed data using absolute uncertainties and percentage uncertainties | **Student Experiment:**Overview of what a student experiment is.What a report looks like.Scaffolding that will be provided and timelines for work to be completed |
| 7 | 19 Aug. 24 |  | **Class practical:**Reaction of hydrochloric acid and Sodium Thiosulfate (Hypo)  | **Student Experiment:**Research questionRationale for the experimentOriginal experimentModifications to the methodology | **Student Experiment:**Management of risksHow the raw data will be collected |
| 8 | 26 Aug. 24 | **Friday (30th)****Pupil free day** | **Student Experiment:**Perform experiment | **Student Experiment:**Perform experiment | **STUDENT FREE DAY** |
| 9 | 2 Sep. 24 |  | **Student Experiment:**Data processing | **Student Experiment:**Trends, patterns and relationships | **Student Experiment:**Evaluation of the methodologySuggestions for improvements |
| 10 | 9 Sep. 24 |  | **Student Experiment:**ConclusionReference list |  |  |