**Maroochydore SHS Chemistry Scope and sequence 2023**

**Year 11 Teaching Plan Overview**

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| Term | Week | Assessment | Sub topic | Unit & Topic |
| 1 | 1 |  | Atomic Structure and Isotopes | Unit 1 Topic 1 |
| 2 |  | Periodic Table and Trends | Unit 1 Topic 1 |
| 3 |  | Chemical reactions | Unit 1 Topic 3 |
| 4 | Hurdle Task | Mole concept & conservation of mass | Unit 1 Topic 3 |
| 5 |  | Mole concept & conservation of mass | Unit 1 Topic 3 |
| 6 |  | Measurement uncertainty and Error | Unit 1 Topic 3 |
| 7 |  | Measurement uncertainty and Error | Unit 1 Topic 3 |
| 8 | **DATA TEST (10%)** | Compounds and Mixtures | Unit 1 topic 2 |
| 9 |  | Exothermic and Endothermic reactions | Unit 1 Topic 1 |
| 10 |  | Introduction to Bonding/Bonding and properties | Unit 1 Topic 1/2 |
| 2 | 1 |  | Bonding and Properties  | Unit 1 Topic 2 |
| 2 |  | Fuels | Unit 1 Topic 3 |
| 3 | **RESEARCH INVESTIGATION (20%)** |  |  |
| 4 | **RESEARCH INVESTIGATION (20%)** |  |  |
| 5 |  | Intermolecular Forces | Unit 2 Topic 1 |
| 6 | **RESEARCH INVESTIGATION (20%)** |  |  |
| 7 |  | Reactions with acids | Unit 2 topic 2 |
| 8 | Unit 1 reporting | pH | Unit 2 Topic 2 |
| 9 |  | Aqueous solutions and molarity | Unit 2 Topic 2 |
| 10 |  | Aqueous solutions and molarity | Unit 2 Topic 2 |
| 3 | 1 |  | Rates of Reaction | Unit 2 Topic 3 |
| 2 |  | Rates of Reaction | Unit 2 Topic 3 |
| 3 | **STUDENT EXPERIMENT (20%)** |  |  |
| 4 | **STUDENT EXPERIMENT (20%)** |  |  |
| 5 | **STUDENT EXPERIMENT (20%)** |  |  |
| 6 |  | Solubility / Identifying ions in solution | Unit 2 Topic 2 |
| 7 | **STUDENT EXPERIMENT (20%)** |  |  |
| 8 |  | Solubility / Identifying ions in solution | Unit 2 Topic 2 |
| 9 |  | Gases  | Unit 2 Topic 1 |
| 10 |  | Chromatography  | Unit 2 Topic 1 |
| 4 | 1 |  | Revision |  |
| 2 |  | Revision |  |
| 3 | **Examination (50%) Unit 1&2** | EXAM |  |
| 4 |  | Redox Reactions | Unit 3 Topic 2 |
| 5 |  | Redox Reactions | Unit 3 Topic 2 |
| 6 |  | Electrochemical Cells/Galvanic Cells | Unit 3 Topic 2 |
| 7 |  | Galvanic Cells | Unit 3 Topic 2 |
| 8 |  | Standard Electrode Potentials/Electrolytic Cells | Unit 3 Topic 2 |
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