# Sample Scope and Sequence: Chemistry – Year 12

***Sample for implementation for Year 12 from Term 4, 2018***

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| **Term 4** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 5: Equilibrium and Acid Reactions**   * Static and Dynamic Equilibrium. * Factors that Affect Equilibrium * Calculating the Equilibrium Constant (Keq) * Solution Equilibria | | | | | | | | **Depth Study (6 hours)**  Equilibrium and Acid Reactions | |
| CH11/12-1, CH11/12-4, CH11/12-5, CH11/12-6, CH11/12-7, CH12-12 | | | | | | | | | |

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| **Term 1** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 6: Acid/Base Reactions**   * Properties of Acids and Bases * Using Brønsted–Lowry Theory * Quantitative Analysis | | | | | | | | | |
| CH11/12-1, CH11/12-2, CH11/12-3, CH11/12-5, CH12-13 | | | | | | | | | |

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| **Term 2** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 7: Organic Chemistry**   * Nomenclature * Hydrocarbons * Products of Reactions Involving Hydrocarbons * Alcohols * Reactions of Organic Acids and Bases * Polymers | | | | | | | | | |
| CH11/12-5, CH11/12-6, CH11/12-7, CH12-14 | | | | | | | | | |

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| **Term 3** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** |
| **Module 8: Applying Chemical Ideas**   * Analysis of Inorganic Substances * Analysis of Organic Substances | | | | | **Depth Study (9 hours)**  Fieldwork - Visit to chemical manufacturing and testing facility. | | | **Module 8: Applying Chemical Ideas** | | |
| CH11/12-1, CH11/12-2, CH11/12-3, CH11/12-4, CH11/12-7, CH12-15 | | | | | | | | | | |