# 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
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| 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
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| 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  |