## Chemistry – ATAR Year 12

## Unit 3 and Unit 4

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| **Assessment  type** | **Assessment type  weighting** | **Assessment**  **task**  **weighting** | **When** | **Assessment task** |
| Science inquiry/ Practical/ Investigation | 20% | 5% | Week 8 | **Task 3:** Investigation: Volumetric analysis of a vinegar solution |
| 5% | Week 13 | **Task 6:** Practical test: Validation of experiments conducted, including data analysis, inquiry skills |
| 5% | Week 19 | **Task 8:** Investigation: Analysis of aspirin tablets |
| 5% | Week 28 | **Task 13:** Practical test: Validation of experiments conducted, including data analysis, inquiry skills |
| Extended response | 10% | 5% | Week 5 | **Task 2:** Climate change, ocean chemistry and Le Chatelier’s principle |
| 5% | Week 28 | **Task 12:** Chemical Synthesis: Haber process, contact process and other applications |
| Test | 20% | 3% | Week 4 | **Task 1:** Chemical equilibrium systems test |
| 4% | Week 9 | **Task 4:** Acids/bases and volumetric analysis test |
| 3% | Week 13 | **Task 5:** Redox reactions and electrochemical cells test |
| 3% | Week 20 | **Task 9:** Classes of organic compounds test |
| 3% | Week 24 | **Task 10:** Polymers and molecules for living test |
| 4% | Week 27 | **Task 11:** Chemical synthesis, molecular manufacturing and green chemistry test |
| Examination | 50% | 20% | Examination week (Week 15) | **Task 7: Semester 1 examination** |
| 30% | Examination week  (Week 30) | **Task 14: Semester 2 examination** |
| **Total** | **100%** | **100%** |  |  |