

**CHEMISTRY 12ATCHE ASSESSMENT OUTLINE - 2018**

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| **Assessment type** | **Assessment Task** | **Time** | **Assessment type weighting** | **Assessment task weighting** | **My Mark** |
| Science inquiry/ Investigation | **Task 1: Practical Test** –Students useknowledge of rates and equilibrium to make observation and explain changes to various systems at equilibrium using Collision theory and rates of reactions. | Semester 1 - Week 4 | 20% | 6% |  |
| **Task 4: Practical Test** –Students useknowledge of volumetric analysis to determine the concentration of acid in a grey water sample. | Semester 1 - Week 10 | 7% |  |
| **Task 8: Investigation** –Students useknowledge of reactions of organic functional groups to design and conduct an experiment to determine the identity of unknown organic substances. | Semester 2 - Week 24  - Week 25 | 7% |  |
| Extended Response | **Task 6: Comprehension Task** - Students research primary, secondary and fuel cells (part A) and validate their understanding by answering questions relating to them (part B). Part B is assessed at the same time as Task 7. | Semester 2 - Week 18  - Week 20 | 10% | 5% |  |
| **Task 10: Comprehension Task** - Students validate their understanding of chemical synthesis including stoichiometry, limiting reagents and reaction sequence by answering questions relating to an industrial process. This task is assessed at the same time as Task 11. | Semester 2 – Week 27  – Week 29 | 5% |  |
| Test | **Task 2: Test 1** – Reaction rates and equilibrium. | Semester 1 – Week 5  (26th February) | 20% | 4% |  |
| **Task 3: Test 2** – Acids, bases and volumetric analysis. | Semester 1 – Week 9  (26th March) | 4% |  |
| **Task 7: Test 3** – Redox reactions and electrochemistry & **Task 6** (part B) | Semester 2 – Week 20  (26th June) | 4% |  |
| **Task 9: Test 4** – Organic chemistry. | Semester 2 – Week 27  (21st August) | 4% |  |
| **Task 11: Test 5** – Chemical synthesis & **Task 10** | Semester 2 – Week 29  (5th September) | 4% |  |
| Exam | **Task 5: Semester 1 Exam** | Semester 1 – Week 15 | 50% | 25% |  |
| **Task 12: Semester 2 Exam** | Semester 2 – Week 31 | 25% |  |
|  |  | **Total** | **100%** | **100%** | **%** |