# **2023 ASSESSMENT OUTLINE TRINITY COLLEGE 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 | 20% | 4% | Ongoing   | Task 2: Laboratory Reports, practical’s in class to be written up in lab books |
| 8% | Term 2 Week 5 | Task 6: Unit 3 Titration Determination exam, and volumetric calculation |
|  |  | 8% | Term 3 Week 5 | Task 9: Unit 4 Organic Determination, identifying functional groups from chemical tests |
| Extended response | 10% | 4% | Term 1 Week 10  | Task 4: Research Document unit 3 Blood Buffers & Ocean Acidification, Equilibrium / Validation |
| 4% | Term 3 Week 6  | Task 10: Research Document unit 4 Biodiesel & Contact Process, Chemical Synthesis / Validation |
|  |  | 2% | Ongoing   | **Task 1:** Assignments/ Lucarelli sets |
| Test | 20% | 3% | Term 1Week 5 | Task 3: Test – Chemical Equilibrium Systems  |
| 3% | Term 1Week 10 | **Task 5:** Test – Acids and Bases |
| 3% | Term 2 Week 4 | **Task 7**: Test – Oxidation & Reduction fundamentals |
| 3% | Term 2 Week 10 | **Task 8:** Test – Electrochemical and Electrolytic cells |
| 4% | Term 3 Week 5 | **Task 11:** Test – Properties & Structure of Organic Molecules |
|  |  | 4% | Term 3 Week 9 | **Task 12:** Test – Organic Molecules and Chemical Synthesis |

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| Assessment type  | Assessment type weighting  | Assessment task weighting | When | Assessment task |
| Examination | 50% | 20% |  Term 2 Week 5 & 6 | Examination – Semester 1Three hours, using the examination design brief from the syllabus Section One: 25 multiple-choice questions (25%)Section Two: 8–12 short-answer questions (35%)Section Three:5 - 7 extended answer questions (40%) |
| 30% |  Term 3Week 10 & 12 | Examination – Semester 2Three hours, using the examination design brief from the syllabus Section One: 25 multiple-choice questions (25%)Section Two: 8–12 short-answer questions (35%)Section Three:5 - 7 extended answer questions (40%) |
| **Total** | **100%** | **100%** |  |  |