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| **Student name** |  | **Group** | Optional Chemistry |
| **Course/**  **subject title** | Access to HE Science | **Date set** |  |
| **Unit title/code** | Practical Chemistry | **Submission deadline date** |  |
| **Assignment status\*** | 1 of 1 | **Submission date** |  |
| **Tutor name** | Dr Louis Brailsford | **Re-submission deadline date** |  |
| **Method of assessment** | a) Portfolio of Experimental Reports (1.1 - 4.1);  b) Tracking Sheet (1.1 - 4.1). | **Re-submission date** |  |

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| *This is all my own work and all sources have been acknowledged and attributed.*    **Student signature** *(hard copy submission only)…………………………………………………………………………………………………* |

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| **Learning outcome** | **Assessment criteria** | **First sub-mission** | **Re-sub-mission** | **Achieved** |
| 1. Conduct a scientific experiment. | 1.1. Clearly and concisely explained a used scientific procedure, including all the relevant information, in a written scientific report. |  |  |  |
| 2. Obtain accurate and precise data in a safe manner. | 2.1. Used safe procedures in performing fully risk assessed scientific experiments. |  |  |  |
| 2.2. Demonstrated the recording of data clearly and accurately. |  |  |  |
| 2.3. Used precision and skill in performing scientific experiments. |  |  |  |
| 3. Analyse and interpret results, drawing relevant conclusions where appropriate. | 3.1. Processed data using appropriate means (numerical methods etc.) in order to identify trends and patterns. |  |  |  |
| 3.2. Used scientifically obtained data to explain the support of, or otherwise, of a hypothesis. |  |  |  |
| 3.3. Has explained how data obtained in an experiment reinforces a scientific model. |  |  |  |
| 3.4. Has represented scientific data in a suitable format in a written report. |  |  |  |
| 3.5. Found suitable secondary sources of evidence, explaining how the experimental data obtained reinforces or calls it into question. |  |  |  |
| 4. Evaluate performance and identify improvements. | 4.1 Has suggested improvements to an experimental methodology. |  |  |  |

**Referral claimed: YES / NO If yes, attach referral paperwork**

**Tutor Feedback**

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| **Grade descriptor(s)** | **Tutor comments** | **Performance against the descriptor (P/M/D)** |
| GD 2  **Merit:**  The student’s work or performance makes use of relevant information with breadth or depth that goes beyond the minimum required to pass.  **Distinction:**  The student’s work or performance makes use of relevant information with breadth and depth. |  |  |
| GD 3  **Merit:**  The students work applies appropriate (selected or given) skills, techniques or methods with very good levels of accuracy.  **Distinction:**  The students work applies appropriate (selected or given) skills, techniques or methods with excellent levels of accuracy. |  |  |
| GD 7  **Merit:**  The student’s work or performance taken as a whole demonstrates a very good response to the demands of the brief/assignment.  **Distinction:**  The student’s work or performance taken as a whole demonstrates an excellent response to the demands of the brief/assignment. |  |  |

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| **General feedback**          **Signed: Date:** |

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| **\*Unit grade profile** |
| **Grade indicators:** 2. 3. 7. |
| **Unit grade** |
|  |
| **Commentary** |
| N/A |

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| **Assignment title:** Practical Chemistry |

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| **Assignment brief**    In your assignment you should:  a) Produce a portfolio of practical experimental reports from experiments conducted throughout the chemistry course (1.1 - 4.1);  b) Complete a tracking sheet clearly showing where each of the assessment criteria above is being met within the experiments (1.1 - 4.1). The relevant practical experiment procedures will be distributed at the time of conducting the experiments. |

**For this assignment you will be graded on the following grade descriptors: 2, 3, 7.**

*There are no descriptor statements for a ‘Pass’. Students achieve a Pass by meeting the requirements of all the assessment criteria of a unit.*

*If work is submitted after the formal deadline has passed, and no extension has been granted, all grade indicators relating to this assignment are capped at a Pass.*

**Descriptor title(s)**

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| **Grade**  **Descriptor** | **Merit** | **Distinction** |
| 2 | * You include a very good level of detail OR breadth of information. | * You include an excellent level of detail AND breadth of information. * You include some aspects that are beyond those expected. |
| 3 | * You demonstrate a very good level of accuracy in your skills, techniques and methods. | * You demonstrate an excellent level of accuracy in your skills, techniques and methods. |
| 7 | * Spelling, punctuation and grammar are very good but with errors. * Referencing is very good but with errors. | * Spelling, punctuation and grammar are excellent. * Referencing is excellent. |