**LEVEL 3 QUALIFICATIONS IN FOOD SCIENCE AND NUTRITION MARK RECORD SHEET**

**UNIT 3: EXPERIMENTING TO SOLVE FOOD PRODUCTION PROBLEMS**

**Centre name: Centre Number:**

**Learner's Name:**

I confirm that the evidence submitted for assessment has been produced by me without any assistance beyond that allowed.

I have clearly referenced any sources and any Artificial Intelligence tools used in the work. I understand that false declaration is a form of malpractice.

**Signature: Date:**

**Assessor’s Name:**

I confirm that the candidate's work was conducted under the conditions laid out by the specification. I have authenticated the candidate's work and am satisfied that to the best of my knowledge the work produced is solely that of the candidate. Signed candidate declarations for the entire cohort will be kept on file.

The candidate has clearly referenced any sources and any Artificial Intelligence tools used in the work. I understand that false declaration is a form of malpractice.

The overall grade awarded for this unit is

**Signature: Date:**

**Lead Assessor’s Name:**

I confirm that the evidence submitted by this learner for summative assessment has been quality assured and the grade awarded is confirmed as accurate.

**Signature: Date:**

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| **Assessment criteria** | **Performance bands** | **Mark Awarded** |
| **Mark Band 1** | **Mark Band 2** | **Mark Band 3** |
| **AC1.1** Explain how food properties can be changed | A range of relevant foods properties are considered. Explanations have limited reasoning and accuracy.1 | A range of relevant foods properties are considered. Explanations are mainly reasoned and accurate.2 | A range of relevant foods properties are considered. Explanations are well- reasoned and accurate.3 |  |
| **Assessor's comments** |  |
| **AC1.2** Explain variables that affect physical properties of food | A range of variables are considered that are mainly appropriate. Explanations are mainly accurate with some limited reasoning.1 | A range of appropriate variables are considered. Explanations are mainly reasoned and accurate.2 | A range of appropriate variables are considered. Explanations are well- reasoned and accurate.3 |  |
| **Assessor's comments** |  |

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| **Assessment criteria** | **Performance bands** | **Mark Awarded** |
| **Mark Band 1** | **Mark Band 2** | **Mark Band 3** |
| **AC2.1** Set success criteria for scientific investigations | A range of success criteria are set which are clear and relevant.1 | A range of success criteria are set, some of which are clear and relevant.2 | A range of success criteria are set which are clear and relevant. Success criteria are SMART.3 |  |
| **Assessor's comments** |  |
| **AC2.2** Obtain outcomes from scientific investigations | A range of outcomes are obtained from scientific investigations. Some valid and reliable outcomes are obtained.1 | A range of valid and reliable outcomes are obtained from scientific investigations.2 | Required outcomes are obtained from scientific investigations which are valid and reliable.3 |  |
| **Assessor's comments** |  |

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| **Assessment criteria** | **Performance bands** | **Mark Awarded** |
| **Mark Band 1** | **Mark Band 2** | **Mark Band 3** |
| **AC2.3** Record outcomes of investigative work | Outcomes of investigative work are recorded using documentation that is mainly fit for purpose. Recording is mainly accurate. 1  | Outcomes of investigative work are recorded using documentation that is fit for purpose. Recordings are accurate with some minor omissions2 | Outcomes of investigative work are accurately recorded using documentation that is fit for purpose.3 |  |
| **Assessor's comments** |  |
| **AC2.4** Process data | Most collected data is analysed and reviewed. There may be some omissions. Conclusions presented may have some inaccuracies.1 | Collected data is analysed and evaluated. There may be some omissions. Conclusions are presented that are mainly valid and reliable. There may be some inaccuracies.2 | Collected data is analysed and evaluated. Valid and reliable conclusions are presented.3 |  |
| **Assessor's comments** |  |

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| **Assessment criteria** | **Performance bands** | **Mark Awarded** |
| **Mark Band 1** | **Mark Band 2** | **Mark Band 3** |
| **AC2.5** Review suitability of investigative methods | Investigative methods are reviewed and straightforward conclusions are presented. There is limited evidence presented in support of conclusions.1 | Investigative methods are reviewed and some reasoned conclusions presented. There is use of some evidence to support conclusions.2 | Investigative methods are reviewed and clear and well- reasoned conclusions presented. There is use of evidence to support conclusions.3 |  |
| **Assessor's comments** |  |
| **AC3.1** Analyse food production situations | Analyses information relating to a food production situation. Shows some understandingof key issues to validly identify a problem.1 | Analyses information relating to a food production situation. Key issues are identified and problems inferred.2 | Analyses information relating to a food production situation. Categorises issues to clearly identify problems.3 |  |
| **Assessor's comments** |  |

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| **Assessment criteria** | **Performance bands** | **Mark Awarded** |
| **Mark Band 1** | **Mark Band 2** | **Mark Band 3** |
| **AC3.2** Propose practical options to solve food production problems | A range of options are proposed. Some are practical. There is some consideration of most options presented. Some use of appropriate technical language, with some minor errors.1 | A range of practical options are proposed. Use of technical language is mainly appropriate. There may be minor errors in use, but these will not detract from clarity of meaning.2 | A range of considered, practical options are proposed. Use of technical language is consistently appropriate.3 |  |
| **Assessor's comments** |  |
| **AC3.3** Scientifically justify proposed options | Executed practical work addresses some of the issues and is carried out mainly effectively and efficiently. Clear but basic conclusions are drawn.Justification shows evidence of drawing on some prior learning.1 | Executed practical work addresses most of the issues and is carried out effectively and efficiently. Clear, fairly detailed conclusions are drawn.Justification is mainly reasoned, drawing on some evidence and prior learning.2 | Executed practical work addresses all of the issues and is carried out extremely effectively and efficiently. All conclusions are detailed and good use is made of technical language.Justification is well-reasoned and drawn from scientific investigation and prior learning.3 |  |
| **Assessor's comments** |  |