# **BTEC FIRST ASSIGNMENT FRONT COVER SHEET TEMPLATE LEVEL 2**

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| Candidate Name |  |

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| Unit Title | **Unit 6 – Health Applications of Life Science** |

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| **Unit Number** | **6** | **Date Issued** | **20th February 2012** |

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| **Assessor(s)** |  | **Date Due 11th May 2012** | **Date Submitted** |

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| **Assessment Decisions:** | **Have you completed a grading grid evidence sheet (see overleaf)** | Yes | No |
| **Have you annotated within the student’s work where the criteria are covered eg, P1, M2 etc** | Yes | No |

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| **Grading Decision / Interim criteria awarded e.g. P1,M1 etc...** | **Pass / Merit / Distinction**  **P1, P2, P3, P4, P5, P6, M1, M2, M3, M4, D1, D2, D3** | | |
| **Points Awarded** | **25/30/35** | **Assignment IV’d?** | Yes |
| **Has interim feedback sheet been completed?** | **Yes/No** | **Have witness statements and observation records been included (if relevant)?** | Yes/No |

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| **Overall assessor’s Feedback should be recorded below:**  **Or for NSS Interim feedback on grading criteria awarded:** |
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| **Assessor Signature** |  | **Date** |  |

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| **Student Signature** |  | **Date** |  |

Cc Programme Leader, Assessor NB. This table is a template and expands

INTERIM FEEDBACK SHEET –

TO BE COMPLETED DURING

COMPLETION OF ASSIGNMENT

CANDIDATE NAME

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| FEEDBACK SESSION ONE:  DATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  What task evidence has been produced thus far? | Interim assessment evidence – How is your work progressing? What is the quality of the work like?  Are you presently working towards pass/merit/distinction level |
| Interim targets for improvement:  1)  2) |

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| FEEDBACK SESSION TWO:  DATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  What additional task evidence has been produced thus far? | Interim assessment evidence – How is your work progressing? What is the quality of the work like?  Student is presently working towards pass/merit/distinction level |
| Final targets for improvement:  1)  2) |

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RECORDING EVIDENCE AGAINST EACH

CRITERIA FROM THE GRADING GRID

Unit \_\_ **Unit 6 – Health Applications of Life Science** \_\_\_\_\_\_\_ Student \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Assessment Criteria | Achieved | Evidence /Page No’s in the portfolio | Comments/Feedback |
| P1  Assess the possible effects of diet on the functioning of the human body | **Yes/No** | Assignment 1 | Make an effective and varied diet and exercise plan  Diet and exercise plan states the nutrients required for a balanced diet  Diet and exercise plan explains what happens if people eat too much or too little |
| P2  Design diet and exercise plans to promote healthy living | **Yes/No** | Assignment 1 | Make an effective and varied diet and exercise plan  Diet and exercise plan states reason that exercise benefits the body.  Diet and exercise plan states how much exercise a person should do a week. |
| P3  Outline how the immune system defends the human body | **Yes/No** | Assignment 2 | State in your leaflet the immune systems first lines of defence  Explain in your leaflet general responses of the immune system (works on all pathogens)  Explain in your leaflet the role of antibodies and vaccination in stopping pathogens |
| P4  Identify the role of specific health screening programmes | **Yes/No** | Assignment 2 | In your leaflet give 3 examples of different screening programmes available  Explain in your leaflet what each of the screening programmes mentioned above are checking for  State in your leaflet which disease each of the screening programmes mentioned above are helping to prevent. |
| P5  Carry out an investigation into the effects of antibiotics |  | Assignment 3 | Draw a labelled diagram for your experiment  Write a conclusion explaining the effect of antibiotics on bacterial growth  Explain in your conclusion how the effect was shown on the agar plate  Explain in your conclusion what happened to the bacteria |
| P6  Describe what gene therapy is, giving examples of diseases and conditions associated with it |  | Assignment 3 | State what gene therapy is  Describe how faulty genes can be replaced  Describe the method involved in gene therapy  Give two examples of conditions that gene therapy may be used to treat |
| M1  Explain how the diet and exercise plan will affect the functioning of the human body. | **Yes/No** | Assignment 1 | Make an effective and varied 5 day diet and exercise plan for a teenager  Make an effective and varied 5 day diet and exercise plan for an elderly person |
| M2  Describe the action of each component of the immune system | **Yes/No** | Assignment 2 | Add to your leaflet for P3 an explanation how the first lines of defence stop pathogens entering the body  Add to your leaflet for P3 an explanation how the general responses of the immune system stop pathogens once they have entered the body  Add diagrams to your leaflet to help your readers understand. |
| M3  Describe the changes in the human body following a vaccination | **Yes/No** | Assignment 2 | Add to your leaflet for P3 an explanation how the antibodies and vaccinations stop pathogens once they have entered the body  Add diagrams to your leaflet to help your readers understand. |
| M4  Using secondary data, carry out an investigation into the effectiveness of different kinds of medical treatment in the control of health | **Yes/No** | Assignment 3 | Write a paragraph explaining how effective antibiotics are  Include all references used to answer this question  Write a paragraph explaining how effective gene therapy is  Include all references used to answer this question |
| D1  Evaluate you exercise plans and justify the menus and activities chosen | **Yes/No** | Assignment 1 | Explain how your diet and exercise plan for M1 reflects the lifestyle of a teenager  Explain how your diet and exercise plan for M1 reflects the lifestyle of an elderly person |
| D2  Evaluate the effectiveness of vaccination and screening programmes | **Yes/No** | Assignment 2 | Describe the advantages of your chosen screening programme  Describe the disadvantages of your chosen screening programme  Describe the advantages of your chosen vaccination programme  Describe the disadvantages of your chosen vaccination programme |
| D3  Evaluate the use of different kinds of medical treatments, justifying your opinions | **Yes/No** | Assignment 3 | Describe the advantages of using antibiotics  Describe the disadvantages of using antibiotics  Include all references used to answer these questions  Describe the advantages of gene therapy  Describe the disadvantages of gene therapy  Include all references used to answer these questions |

Cc Programme Leader, Assessor NB This table is a template and expands

Assessor Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_