BTEC Design Unit 4: Communicating Ideas in 3D

Task 2 – Bus Shelter All work A3 Landscape

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| Page | Title | Detail | Content | Available Resources |
| Sheet 1 | Cover | Cover | Project Title  Student Name  Tutor Group  DT Class Group | 4.2a - A3 Cover Template |
| Sheet 2 | Brief | Brief | Introduction  Aim  Initial Specification | 4.2b - Brief Hand-out  4.2c – How to write an Initial specification |
| Sheet 3 | Research | Collecting examples and analysing | Examples and comment | 4.2d – How to Research  4.2e – How to analyse |
| Sheet 4 | Research | Collecting examples and analysing | Examples and comment | 4.2f – Research – Examples  4.2g – Legal Position |
| Sheet 5 | Industrial Processes | Materials for real construction | Materials and processes explained and reasons why | 4.2h – Research – Technical Information  4.2i – Bus Shelter Materials |
| Sheet 5 | Final specification | List of points revising initial specification | List of measurable and realistic points | 4.2 j – How to write a Final specification |
| Sheet 6 | Design ideas | Ideas | Ideas with comment and reasons and information |  |
| Sheet 7 | Design ideas | Ideas | Ideas with comment and reasons and information |  |
| Sheet 8 | Development | Appearance  selection of ideas | Improving the idea to a final outcome |  |
| Sheet 10 | CAD | CAD drawing of final idea | Detailed and accurate CAD drawing | CAD Booklet |
| Sheet 11 | Planning | Plans  Ortho  Exploded | Plan of final design | 4.2k - Orthographic Drawing  4.2l – Dimensioning Orthographic |
| Sheet 12 | Production Plan | Step by Step  Flow diagrams | Step instructions  Production Plan | 4.2m – Materials  4.2n – Construction  4.2o – Tools  4.2p – A3 Production Plan Template |
| Sheet 13 | Diary | Weekly progress report  Record of Alterations & Changes. Changes made including design features | Ongoing record of what you have done and learned.  List of changes and reasons for these | 4.2q - A3 Weekly Progress Template |
| Sheet 14 | Diary | Weekly progress report  Record of Alterations & Changes. Changes made including design features | Ongoing record of what you have done and learned.  List of changes and reasons for these | 4.2q - A3 Weekly Progress Template |
| Sheet 15 | Evaluation Photos | Photos and Reflection | Photos of model (4)  Reflection points | 4.2r - Detailed Guidance sheet on Reflection and Evaluation |

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| Outcome | Solid Model – 1:12 Scale | Bus Shelter |

Version 2