BTEC Design Unit 4: Communicating Ideas in 3D

Task 3 - Seating All work A3 Landscape

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| Page | Title | Detail | Content  | Available Resources |
| Sheet 1 | Cover | Cover | Project TitleStudent Name Tutor GroupDT Class Group | 4.3a – A3 Cover Template |
| Sheet 2 | Brief | Brief | IntroductionAimInitial Specification | 4.3b - Brief Hand-out4.3 c – How to write an Initial specification |
| Sheet 3 | Research | Collecting examples and analysing | Examples and comment | 4.3d – How to Research4.3e – How to analyse |
| Sheet 4 | Research | Collecting examples and analysing | Examples and comment |  |
| Sheet 5  | Industrial Processes | Materials for real construction | Materials and processes explained and reasons why |  |
| Sheet 6 | Final Specification | List of points revising initial specification | List of measurable and realistic points | 4.3f – How to write a Final specification |
| Sheet 7 | Design ideas | Ideas | Ideas with comment and reasons and informationSome comment related to research |  |
| Sheet 8 | Design ideas | Ideas | Ideas with comment and reasons and informationSome comment related to research |  |
| Sheet 9 | Development | Selection of ideas Appearance | Improving the idea to a final outcome, sorting out materials and sizes | 4.3g – Outside Seating - Model Measurements |
| Sheet 10 | CAD | CAD drawing of final idea | Detailed and accurate CAD drawing | CAD Booklet |
| Sheet 11 | Planning  | PlansOrthoExploded | Plan of final design | 4.3h - Orthographic Drawing 4.3i – Dimensioning Orthographic |
| Sheet 12 | Production Plan | Step by StepFlow diagrams | Step instructionsGantt ChartSimple Flow chart | 4.3j – Materials4.3k – Tools4.3l – A3 Production Plan Template |
| Sheet 13 | Diary | Weekly progress reportRecord of Alterations & Changes. Changes made including design features | Ongoing record of what you have done and learned.List of changes and reasons for these | 4.3m - A3 Weekly Progress Template |
| Sheet 14 | Diary  | Weekly progress reportRecord of Alterations & Changes. Changes made including design features | Ongoing record of what you have done and learned.List of changes and reasons for these | 4.3m - A3 Weekly Progress Template |
| Sheet 15 | Evaluation Photos | Photos and Reflection  | Photos of model (4)Reflection points | 4.3n - Detailed Guidance sheet on Reflection and Evaluation |

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| Outcome  | Solid Model – 1:12 Scale | Seating Area |