**Sample Assessment Outline**

Building and Construction

General Year 11

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Sample assessment outline

Building and Construction – General Year 11

Unit 1 and Unit 2

| **Assessment  type and weighting** | **Assessment task  weighting** | **Duration** | **Assessment task** |
| --- | --- | --- | --- |
| Design  20% | 3**%** | Term 1  Weeks 2–4 | Task 2: Drafting exercisesComplete a range of practical and theoretical exercises which demonstrate knowledge of building industry processes  * drafting exercises * planning and theory exercises |
| 5**%** | Term 1  Weeks 4–6 | Task 3 Part A: Residential backyard design projectDesign a scale model of a residential backyardORComplete a design for a personal project that links relevant skills learnt |
| 2% | Term 1  Week 8 | Task 3 Part C: Evaluate finished scale model of a residential backyard design |
| 3**%** | Term 3  Weeks 2–3 | **Task 7:** Drafting exercises Complete a range of theoretical and practical activities that require students to gain experience in the drafting field. These activities introduce orthogonal projection and practical geometry; plan reading and scaling:  * read and draw plans utilising fundamentals of practical geometry with orthogonal projection * estimate quantities * apply appropriate scaling of drawings * operate levelling equipment * recognise industry specific conventions * use building and construction terminology |
| 5**%** | Term 3  Weeks 4–6 | **Task 8 Part A:** Integrated materials fabrication design project  Design a project that uses a combination of materials from the syllabus  **OR** Complete a design for a personal project that links together skills learntDesign processes:  * investigate different design ideas, structures and components * use ICT and manual presentation skills * devise similar design ideas using annotated graphics and sketches * review the design’s suitability against design needs, including investigation of construction methods * generate suitable 2D drawings with conventions for designed solution * manage production of a solution, including a simple sequence of manufacture |
| 2% | Term 4  Week 8 | **Task 8 Part C:**  Evaluate finished materials fabrication design project |
| Production  70% | 8**%** | Term 1  Weeks 6–8 | **Task 3 Part B:**  Construct a scale model of a residential backyard design  **OR**  Complete construction of a personal project that links together skills learnt |
| 10**%** | Term 2  Weeks 1–8 | **Task 5 Part A:** Building exercises – bricklaying and brick paving |
| 10**%** | Term 2  Weeks 1–8 | **Task 5 Part B:** Construction exercises – complete a range of practical and theoretical exercises incorporating a spectrum of construction materials processes and techniques |
| 8**%** | Term 2  Weeks 1–8 | **Task 5 Part C:** Fabrication exercises – welding   * identify and apply occupational safety and health (OSH) rules and regulations relating to the use of materials and processes * complete welding fabrication exercises |
| 7**%** | Term 3  Weeks 7–10 | **Task 8 Part B:** Construction of integrated materials fabrication design project  Construct the design project combining different materials  **OR**  Complete construction of a personal project that links together skills learnt |
| 10**%** | Term 4  Weeks 1–7 | **Task 9 Part A:** Building exercises – brick paving and bricklaying |
| 10**%** | Term 4  Weeks 1–7 | **Task 9 Part B:** Construction exercises – complete a range of practical and theoretical exercises incorporating a spectrum of construction materials processes and techniques |
| 7**%** | Term 4  Weeks 1–7 | **Task 9 Part C:** Fabrication exercises – MIG welding   * identify and apply occupational safety and health (OSH) rules and regulations relating to the use of materials and processes * complete welding fabrication exercises from the following using light sheet metal and heavy plate/pipe |

| **Assessment  type and weighting** | **Assessment task  weighting** | **Duration** | **Assessment task** |
| --- | --- | --- | --- |
| Response  10% | 2% | Term 1  Weeks 1–2 | **Task 1:** Safety in the workshop, rules and regulations  This task is compulsory and is to be completed prior to attempting any practical work  Activities:   * watch safety video * general safety aspects of workshop practice * complete Smartmove General module * complete Building and Construction Smartmove certificate |
| 3% | Term 1  Weeks 8–9 | **Task 4 Part A:** Assignment: sustainable practices in building and construction List and comment on:  * ways for sustainable practices in building and construction * types of environmentally friendly alternatives in methods of building and construction |
| Term 2  Weeks 9–10 | **Task 4 Part B:** Assignment: structure and components, and on-site services List and comment on:  * common building site structures and structural components * methods of supplying on-site common services |
| 2% | Term 3  Week 1 | **Task 6:** Revisit and reinforce safety in the workshop  This task is to be completed prior to attempting any practical work |
| 3% | Term 4  Weeks 8–10  Weeks 8–10 | **Task 10 Part A:** Structures and services  Assignment: identify methods to provide on-site water supply, drainage and sewerage  **Task 10 Part B:** Listing and examples of influences of culture on buildings and architecture |
| **100%** | **100%** |  |  |