**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** |
| --- | --- | --- | --- |
| Design20% | 3**%** | Term 1Weeks 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 1Weeks 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 1Week 8 | Task 3 Part C:Evaluate finished scale model of a residential backyard design |
| 3**%** | Term 3Weeks 2–3 | **Task 7:** Drafting exercisesComplete 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 3Weeks 4–6 | **Task 8 Part A:** Integrated materials fabrication design projectDesign 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 4Week 8 | **Task 8 Part C:**Evaluate finished materials fabrication design project  |
| Production70% | 8**%** | Term 1Weeks 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 2Weeks 1–8 | **Task 5 Part A:** Building exercises – bricklaying and brick paving |
| 10**%** | Term 2Weeks 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 2Weeks 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 3Weeks 7–10 | **Task 8 Part B:** Construction of integrated materials fabrication design projectConstruct the design project combining different materials**OR**Complete construction of a personal project that links together skills learnt |
| 10**%** | Term 4Weeks 1–7 | **Task 9 Part A:** Building exercises – brick paving and bricklaying |
| 10**%** | Term 4Weeks 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 4Weeks 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** |
| --- | --- | --- | --- |
| Response10% | 2% | Term 1Weeks 1–2 | **Task 1:** Safety in the workshop, rules and regulationsThis task is compulsory and is to be completed prior to attempting any practical workActivities:* watch safety video
* general safety aspects of workshop practice
* complete Smartmove General module
* complete Building and Construction Smartmove certificate
 |
| 3% | Term 1Weeks 8–9 | **Task 4 Part A:** Assignment: sustainable practices in building and constructionList and comment on:* ways for sustainable practices in building and construction
* types of environmentally friendly alternatives in methods of building and construction
 |
| Term 2Weeks 9–10 | **Task 4 Part B:** Assignment: structure and components, and on-site servicesList and comment on:* common building site structures and structural components
* methods of supplying on-site common services
 |
| 2% | Term 3Week 1  | **Task 6:** Revisit and reinforce safety in the workshopThis task is to be completed prior to attempting any practical work |
| 3% | Term 4Weeks 8–10Weeks 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%** |  |  |