

Building & Construction Skills

Applied senior subject

Applied

Building and Construction Skills focuses on the underpinning industry practices and construction processes required to create, maintain and repair the built environment.

Students learn to meet customer expectations of quality at a specific price and time. In addition, they understand industry practices; interpret specifications, including information and drawings; safely demonstrate fundamental construction skills and apply skills and procedures with hand/power tools and equipment; communicate using oral, written and graphical modes; organise, calculate and plan construction processes; and evaluate the structures they create using predefined specifications.

Students develop transferable skills by engaging in construction tasks that relate to business and industry, and that promote adaptable, competent, self-motivated and safe individuals who can work with colleagues to solve problems and complete practical work.

Pathways

A course of study in Building & Construction Skills can establish a basis for further education and employment in civil, residential or commercial building and construction fields. These include roles such as bricklayer, plasterer, concreter, painter and decorator, carpenter, joiner, roof tiler,

plumber, steel fixer, landscaper and electrician.

Objectives

By the conclusion of the course of study, students should:

- describe industry practices in construction tasks
- demonstrate fundamental construction skills
- interpret drawings and technical information
- analyse construction tasks to organise materials and resources
- select and apply construction skills and procedures in construction tasks
- use visual representations and language conventions and features to communicate for particular purposes
- plan and adapt construction processes
- create structures from specifications
- evaluate industry practices, construction processes and structures, and make recommendations.

Structure

The Building & Construction Skills course is designed around core and elective topics.

Core topics	Elective topics
<ul style="list-style-type: none"> • Industry practices • Construction processes 	Carpentry plus at least two other electives: <ul style="list-style-type: none"> • Bricklaying • Concreting • Landscaping • Plastering and painting • Tiling.

Assessment

For Building and Construction Skills, assessment from Units 3 and 4 is used to determine the student's exit result, and consists of four instruments, including:

- at least two projects
- at least one practical demonstration (separate to the assessable component of a project).

Project	Practical demonstration	Examination
A response to a single task, situation and/or scenario.	A task that assesses the practical application of a specific set of teacher-identified production skills and procedures.	A response that answers a number of provided questions, scenarios and/or problems.
A project consists of a product component and at least one of the following components: <ul style="list-style-type: none"> • written: 500–900 words • spoken: 2½–3½ minutes • multimodal <ul style="list-style-type: none"> – non-presentation: 8 A4 pages max (or equivalent) – presentation: 3–6 minutes • product: continuous class time. 	Students demonstrate production skills and procedures in class under teacher supervision.	<ul style="list-style-type: none"> • 60–90 minutes • 50–250 words per item

Additional Requirements

Study Requirements	Special Requirements
<p>This is an Applied subject and as such requires a reasonable commitment of time and energy to complete the course successfully.</p> <p>Students will be required to complete revision and homework each night in addition to assignment requirements.</p> <p>Students are encouraged to develop and maintain a study plan to assist in revising concepts and skills learnt during face to face lessons.</p>	<p>Keppock SHS is an iPad school. School owned devices are available for use within our student resource scheme.</p> <p>Students will be required to bring an iPad (9.7/10.2 inch, running iOS 14 or better, with 32 GB storage) to school each day.</p> <p>The school has a replacement scheme for iPads that need to be serviced or repaired. (Please note, no other BYO device is supported by the school.)</p>