

**Unit Description:**

In this unit students will learn the basics of carpentry as it is done in the construction field. They will learn to read technical drawings and create their own drawings. Students will also learn practical methods to build timber framing joints used in framing and roof trusses. Upon completion, to complement the students grade they will receive a statement of attainment based and assessed on some of the BSSS core and elective competencies delivered in Certificate 1 Building and Construction.

**Unit Outcomes:**

- Work flexibly and safely test, select, justify and use appropriate technologies and process to make designed solutions.
- Investigate and make judgments on how the characteristics and properties of materials are combined with force, motion and energy to create engineered solutions
- Develop project plans using digital technologies to plan and manage projects individually and collaboratively taking into consideration time, cost, risk and production processes.

**Group 1 – Core Units**

Code	Competency Title	Core
CPCCCM1012A	Work effectively and sustainably in the construction industry	Core
CPCCCM1013A	Plan and organise work	Core
CPCCCM1014A	Conduct workplace communication	Core
CPCCCM2001A	Read and interpret plans and specifications	Core
CPCCCM2005B	Use construction tools and equipment (Trade shed)	Core
CPCCVE1011A	Undertake a basic construction project	Core
CPCCWHS1001	Prepare to work safely in the construction industry	Core
CPCCOHS2001A	Apply OH&S requirements, policies and procedures in the construction industry	Core

**Group 2 – Elective Units**

Code	Competency Title	Elective
CPCCCM1011A	Undertake basic estimation and costing	Elective
CPCCCM1015A	Carry out measurements and calculations	Elective
CPCCCM2004A	Handle construction materials	Elective
CPCCCM2006B	Apply basic levelling procedures	Elective
CPCCVE1002B	Undertake a basic computer design project	Elective

**Australian Curriculum:**

The **Rationale** of the Australian Curriculum for Design and Technologies reminds readers that the interrelated strands have different intentions:

Design and Technologies:

- *Knowledge and understanding* which includes: *Technologies and Society* - the use, development and impact of technologies in people's lives and *Technologies Contexts* - technologies and design across a range of technologies contexts
- *Processes and Production Skills* which includes: *Creating designed solutions* by: investigating, generating, producing, evaluating, collaborating and managing

## Assessment

Term 1	Task
Tuesday Week 9 September 12 <sup>th</sup>	Timber frame model
Thursday Week 10 September 19 <sup>th</sup>	School grounds project 1
Term 2	
Tuesday Week 12 October 17 <sup>th</sup>	Building assignment
Tuesday Week 16 November 14 <sup>th</sup>	School grounds project 2
Ongoing Tuesday week 17 November 21 <sup>st</sup>	Workplace health and safety
Ongoing Tuesday week 18 November 18 <sup>th</sup>	Theory work / Drawing sheets

## **Grade**

Work Patterns	Focus
Harmony	Works and participates independently and cooperatively
Excellence	Strives to achieve their best and meet assessment deadlines
Respect	Demonstrates respect towards self, others and property
Optimism	Demonstrates a positive attitude towards learning by always coming to class prepared and displaying effective work habits

## **Plagiarism**

Plagiarism is a serious matter. Students may be penalised severely if they submit work which is not their own and has been generated from the Internet, another student or any other source which is not acknowledged.

## **Homework**

There will always be some form of homework to do. When you are not completing class work or assignments it is important that you keep up to date with your work book. Don't leave your work to the last minute.

## **Special Requirements**

Students are required to wear appropriate clothing to conform to OH&S regulations. Shoes must have thick soles and solid uppers covering the entire foot, steel caps are preferred.

**Sandals & canvas shoes are not appropriate.**

## **Assessment**

All assessment tasks will have a component of the mark connected directly to working safely in the workshop and risk assessment for the project.

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(Parent/Guardian signature)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(Student signature)

\_\_\_\_\_  
Date