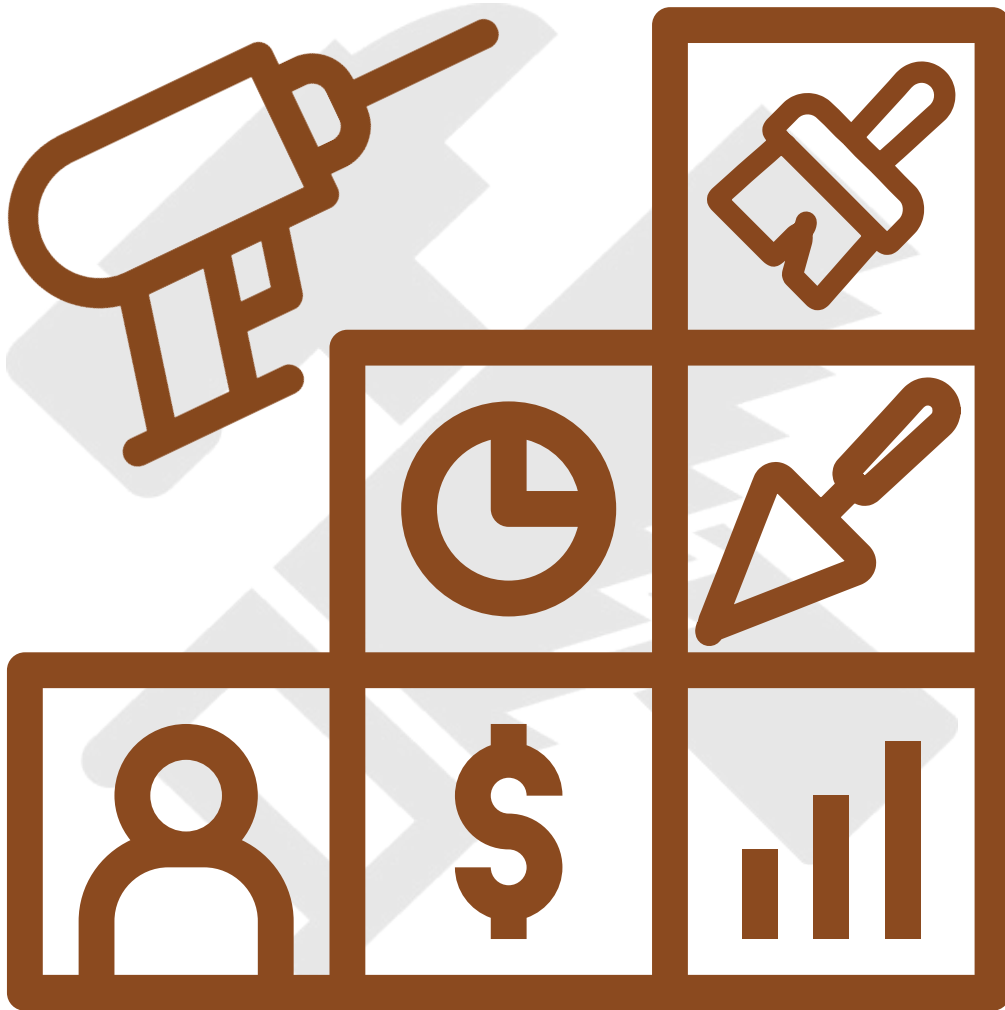




BCATS

BUILDING, CONSTRUCTION
AND ALLIED TRADE SKILLS

Complete a project



Unit Standard 31812 (v1), Level 2

Complete a BCATS project.

6 CREDITS

BCITO
buildingpeople

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(BCITO)**

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Introduction

This handbook provides a brief overview of what you need to do to achieve credit for a Level 2 project that is not already named as a project in other BCATS unit standards.

IMPORTANT:

The project cannot be one already specified in other BCATS unit standards or be one that an achievement standard is also awarded for.

The project you choose can come from any individual or combined building, construction, or allied trades. These are listed below, most of which have specialities within them:

Architectural aluminium joinery		Brick and block laying	
Carpentry		Concrete	
Exterior plastering		Flooring	
Frame and truss fabrication		Glass and glazing	
Interior systems		Joinery	
Kitchen and bathroom design		Painting and decorating	
Stonemasonry		Tiling	

How you will be assessed

To achieve this unit standard you must complete one Level 2 BCATS project that could not be assessed using other project-specific BCATS standards or for projects undertaken for achievement standards.

You will need to use project documentation, such as plans and working drawings to:

- calculate the quantities of materials required for the project and complete an order for them
- guide how you do each stage of the project
- select the required hand and power tools, equipment, and machinery and use them to meet the project's requirements.

Your teacher/tutor will give you an order form to complete for all the materials your project needs.

You must also show your teacher/tutor that you:

- successfully applied your knowledge of materials
- followed appropriate health and safety procedures throughout the project
- kept the site, tools, plant, and equipment clean and tidy, and stored the tools, equipment, and plant according to the teacher/tutors expectations.

In the work place, a tradesperson keeps a work diary, which is often simply a notebook or notes recorded on a digital device. BCITO has developed a student work diary that includes prompts to help you record the stages of your project, what resources are needed for them, and your progress through the stages. Your teacher/tutor may give this to you to help you record the processes and problem solving that occurs throughout your project.

If you can, take photographs of your project as it progresses or at least a photo of your finished project.

Your project

This unit standard does not specify what your Level 2 project must be. This gives you the freedom to design or choose your own project.

Your project could combine glass and glazing and aluminium joinery to make a small seed-raising greenhouse, or timber and wire mesh for a dog kennel and run or a hen house, various materials to make a solar food dehydrator, tiles to decorate the picnic table you made for the garden furniture unit standard, a stand for your favourite guitar, a coat and boot or hat rack, storage racks....the list of possible projects would be very long.

Your teacher/tutor will let you know if your project is suitable.

Your project must meet the unit standard's requirements. Before you check with your teacher that your project is suitable, you may wish to ask yourself:



Is this similar in complexity to other Level 2 projects you've made? Think about what tools, equipment, machinery, and materials you used and the different processes you learned as you did your project.

There are a number of other unit standards your project may also help you to achieve if you haven't already done so, such as safety, communication, and planning and monitoring a project. If you want to maximise your learning and gain other unit standards, also ask yourself:



Will I need to use several hand tools? If so, your project could also contribute to the hand tools unit standard (12927).

Will I need to use at least four portable power tools? If so, your project could also contribute to the portable power tools unit standard (24350).

Will I need to use any fixed machinery? If you need to use at least four, your project could also contribute to the fixed machinery unit standard (24351).

Your teacher/tutor may instead encourage you to do a group project, such as prepping and painting the local community centre, demolishing a classroom and preparing any of its recyclable materials in preparation for a rebuild, building a pergola, constructing covered walkways between classrooms, constructing a playground for a local childcare centre, plastering the outside of classrooms, creating stone paths or fences...again, the list of projects is almost endless.

Depending on your project, you might be given the project documentation you need or have to develop it yourself. Your teacher/tutor will give you guidance on how to develop it if this is the best option.

