

RECOMMENDED LEVEL OF ATTAINMENT

Entry is open but successful completion of 10MTM/MTW or 10DVC is suggested.

INTRODUCTION

This course builds on technology skills learned in Year 10 and is intended to prepare students for apprenticeships in construction, joinery and cabinet making or related trades or develop useful skills and confidence for wide range of satisfying and therapeutic interests and hobbies.

Students will complete assessment workbooks as they learn but the emphasis is on developing an understanding of practices and techniques to shape, cut and join hard materials (mainly metals) and their physical properties.

This should be thought of as the first of a two-year Unit Standards pathway designed and monitored by the Building and Construction Industry Training Organisation (BCITO).

CONTENT AND SKILLS

Students will:

- Obtain a sense of achievement and satisfaction through success in craftsmanship and pride in workmanship.
- Understand and apply safe practices, behaviour and procedures in a workshop environment.

- Investigate, develop and communicate design ideas for a simple product using both written and visual modes and media.
- Develop a basic knowledge of workshop tools, machines and processes in measuring, cutting, joining and finishing.
- Apply maths in a trade context. (geometry, measuring, calculating)
- Work to specified tolerances and quality standards, and honestly evaluate against these.

FUTURE PATHWAYS

This is the first of a two-year pathway for students who intend to pursue careers in the Construction and Infrastructure, Manufacturing and Creative strands of the Vocational Pathways at levels 4 – 6 (certificate and diploma levels)

Please refer to Vocational Pathways at <http://youthguarantee.net.nz> for more information.

Students who are interested in Civil Engineering should consider this course to complement their other learning in Generic Technology (11MTM/MTW or 12TAS) and the Sciences.

COSTS

\$200 will be invoiced in March to cover take home materials and consumables used.

NCEA STANDARDS – 11TPW

Not all standards will necessarily be assessed.

	Level	Credits	L1 Lit.	L1 Num.	
Internal					
24352 v2	1	2	no	no	Demonstrate knowledge of and apply safe working practices in the construction of a BCATS project
24355 v2	1	4	no	no	Demonstrate knowledge of construction and manufacturing materials used in BCATS projects
24356 v2	1	8	no	no	Apply elementary workshop procedures and processes for BCATS projects
25921 v2	2	6	no	no	Make a cupboard as a BCATS project

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A minimum of 15 level one credits (from 11TPW) are a prerequisite for entry or at the discretion of the HOD if evidence of satisfactory practical capability, literacy and numeracy skills can be provided.

For health and safety reasons, students who have not completed US 24352 in Year 11 (Workplace Safety) will be required to do so on enrolment.

INTRODUCTION

This is a practical multi-disciplined programme that provides students with the skills and knowledge to springboard their careers into any area of the construction industry.

A limited number of Gateway placements are available through the careers department for work experience one day per week. These placements gain up to 20 NCEA Level 2, industry recognised credits, and these placements very often lead to offers of apprenticeships direct from school.

FUTURE PATHWAYS

- This is the last of a two-year pathway for students who intend to pursue careers in the Construction and Infrastructure, Manufacturing and Creative strands of the Vocational Pathways at levels 4 – 6 (certificate and diploma levels).

Please refer to Vocational Pathways at <http://youthguarantee.net.nz> for more information.

- Students who are interested in Civil Engineering should consider this course to complement their other learning in Generic Technology (11MTM/MTW or 12TAS) and the Sciences.

- Students can gain Level 2 credits in a range of construction-related trades administered by the Building and Construction Industry Training Organisation (BCITO) while still at school. Refer to www.bcito.org.nz for more information.

CONTENT AND SKILLS

Building on Year 11 skills, student will:

- Develop self confidence and satisfaction through success in craftsmanship and pride in workmanship.
- Play an active role in ensuring health and safety of self and others in the workplace.
- Select, use and care for woodworking hand tools.
- Select, use and care for measuring devices, apply arithmetic in a construction context.
- Identify a range of material types and their performance characteristics and apply these to the project criteria.

ASSESSMENT

Credits gained from all Standards except US 20047 count toward Construction and Infrastructure Vocational Pathways.

COSTS

\$200 will be invoiced in March to cover take home materials and consumables used.

NCEA STANDARDS – 12TPW

Not all standards will necessarily be assessed.

	Level	Credits	UE Rdg.	UE Wrtg.	
Internal					
12927 v4	2	6	no	no	Identify, select, maintain, and use hand tools for BCATS projects
12932 v4	2	8	no	no	Construct timber garden furniture and items of basic construction equipment as a BCATS project
24360 v2	2	5	no	no	Demonstrate knowledge of timber and other construction materials used in BCATS projects