



Competenz



TePūkenga

Guide your students
into a trade career

2022 Teachers guide to our trades



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This guide provides the information
you need to get your students started
in our trades.

For more information contact:
schools@competenz.org.nz
competenz.org.nz/contact-us

About us

Competenz is a business division of Te Pūkenga Work Based Learning Limited. We help Kiwi industry grow skills, careers and businesses.

Competenz works with industry experts to develop nationally recognised qualifications, mapping the skills needed and registering them with the New Zealand Qualifications Authority (NZQA).

Our relationship with learners starts at school. We provide support to teachers and career advisors to help give students a feel for on-the-job training and specific careers in New Zealand's trades and services.

We also make industry unit standards available to schools. Our dedicated career development team work alongside teachers, students and employers to guide and assist students into a career in the trades.

Competenz provides

- » Resources for a range of unit standards including; access to assessment guides, model answers, workbooks and teachers guides at competenz.org.nz/schools/resources
- » Dedicated career advisors
- » Event support (e.g. careers days, expos, informative sessions)
- » Work experience and job placement opportunities.

what's happening right now?

Work experience

Do you have students interested in trades who aren't sure what path to take, or aren't ready to start working? Why not try our work experience programme.

Competenz works with employers who are looking for apprentices and can help set up work experience and trials for students. We want to make it easier for students to get a feel for trades. They'll have a chance check out factories, equipment and ask questions about starting a trades career.

If you're interested in work experience or industry visits for your students, please contact us for further information at schools@competenz.org.nz

Please note Gateway is not available for 2022.

Jobs are available

Competenz offers a recruitment service matching potential apprentices and trainees with job opportunities across 37 industry sectors. Because we connect with over 3,500 employers, we always have vacancies listed across the country.

Your students can find their new trades career on our job board at competenz.org.nz

Fees-free

All apprenticeships and targeted traineeships are fees-free between until 31 December 2022.

The Targeted Training and Apprenticeship Fund (TTAF) covers all eligible training fees that would otherwise be paid to the transitional industry training organisation for training assessment, including night courses, study group fees, eLearning fees and course related text books.

All learners enrolling into a Competenz qualification must meet the entry requirements, with the aim of completing the full qualification, and with the support of their employer.

Advice for students considering an apprenticeship

The right subjects and the right attitude will give your students the best chance of success.

If your student would like to start an apprenticeship after secondary school, there are some subjects that teach useful skills for apprenticeship training. These include maths, English, science, workshop and design technology, physics, graphics, chemistry, or NCEA level 1 and level 2 engineering unit standards. Although these are useful, they are not a must. Most employers hire for the right attitude first.

You can also encourage your students to get out there and try work experience across different industries. Some employers say it can take as little as a day to rule out or confirm the correct pathway. Successful completion of an apprenticeship is usually attributed to someone who has had some experience in the industry, so they know, with more confidence, what they want to do.

If you or your student cannot make those connections with your existing networks, Competenz is happy to reach out on your behalf.

What to do to get an apprenticeship

Step 1. Find a job

To enter an apprenticeship or traineeship, learners need to already have a job in place. Competenz can help with this. Jobs are [available now](#).

Step 2. Get agreement from the employer to begin an apprenticeship

Learners need the ongoing support of their employer to enter into an apprenticeship or traineeship.

Step 3. Sign a training agreement

When learners have a job and are ready to start an apprenticeship or traineeship, they formalise their commitment by signing a training agreement with their employer and Competenz.

Step 4. Get qualified

An apprenticeship usually takes three to four years to complete: when finished, learners have a nationally recognised qualification and no student loan debt.

Find out more
competenz.org.nz

case study

Competenz job matching service ends years of searching for the 'right' school leaver

After years of searching for a new recruit for their business, Auckland engineering firm Stainless Machinings turned to Competenz's free job matching service to find them an ideal candidate. In the space of a few short months, school leaver Stuart Martin joined the company.

"We'd been trying to recruit a young person for a couple of years," says Stainless Machinings owner Brian Lawry. "We'd been in touch with local high schools to arrange work experience at our precision component business and liaised with many career advisors and even advertised at Manukau Institute of Technology (MIT), but with no success."

"We then contacted industry training organisation Competenz, who advertised the position on their website jobs board. Shortly after that, we were advised that two potential people had been found and Competenz started the process of talking to them to assess their suitability and then arranged interviews with us. From there, we chose Stuart, who we've since offered an apprenticeship with us."

"Competenz provided us with an excellent service and took all the hard work out of finding someone."

In January 2021 Stuart, who was 17 at the time, started with the company and has now enrolled in a Mechanical Engineering, Fitting and Machining apprenticeship.



"I studied level 1 engineering at school and decided to work in the industry because I like making things and solving problems," he says.

"It was while I was at MIT doing a school course that Competenz sent me job opportunities that were tailored to what I wanted to do. I felt like this was a great step. It should only take me three or four years until I'm fully qualified."

Brian says Stuart has an excellent attitude, is keen to learn, and has fitted seamlessly into the business. "His family also has engineering experience, so he has a natural interest in it."

Competenz Recruitment Executive Brenda James says the job matching service takes away a lot of work for both employers and learners, and ensures the right 'fit'. And once in place, a training advisor will work with the employer and employee to find the most suitable apprenticeship or training programme for them. In this case, it's a win-win: Brian gets his new employee to train, and Stuart gets a bright start in his engineering career.

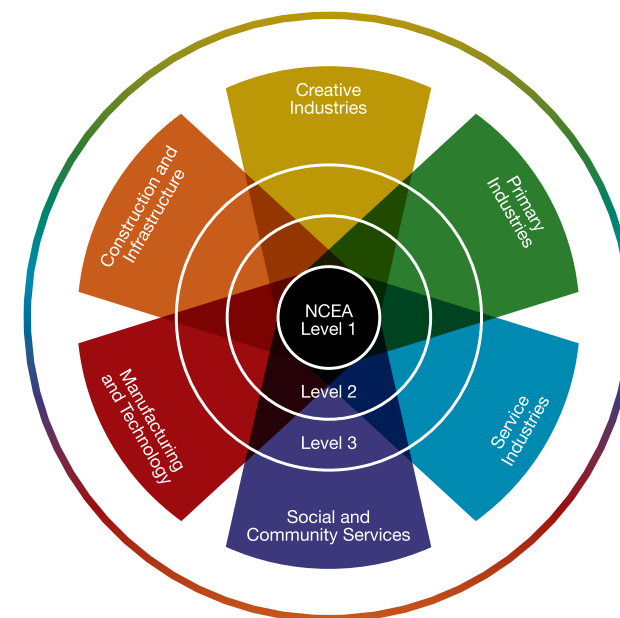
Help your learner find the right match
competenz.org.nz/jobseekers/finding-a-job

Industry unit standards

Vocational pathways

Vocational pathways provide ways to achieve NCEA levels 1, 2 and 3 and develop pathways that progress to further study, training and employment.

Vocational pathways are a framework for students to show how their learning and achievement is valued in the workplace, and by aligning learning to the skills needed by industry. Each has been colour-coded to help students and teachers plan study programmes.



Key

Recommended standards



Sector-related standards



Recommended (R) standards are assessment standards that support a strong foundational curriculum and have a close connection to the knowledge, skills and outcomes valued by industries and employers within each pathway.

Sector related (SR) standards are assessment standards within each pathway that are specific to, or drawn from a particular employment sector. They can be assessed at secondary school, a trades academy, a tertiary education organisation or in the initial period of employment.

Apparel

Kākahu



Apparel involves the design, production and sale of garments, including womenswear, menswear, childrenswear and accessories.

Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²
1540	●	2	3	Apparel cutting and sewing	Set up, adjust and operate a domestic lockstitch sewing machine.	✓	✓
2846	●	2	3	Apparel cutting and sewing	Demonstrate knowledge of industrial apparel cutting and sewing.		
4838	●	2	3	Apparel cutting and sewing	Demonstrate knowledge of clothing materials in the clothing industry.		
5302	●	2	3	Apparel cutting and sewing	Cut single-ply material by shears in the clothing industry.		
5305	●	2	9	Apparel cutting and sewing	Lay-up fabrics by hand in the clothing industry.		
17822	●	2	6	Apparel cutting and sewing	Make a single size marker for plain fabric by hand under supervision, lay markers and explain cutting methods.		
17915	▲	2	6	Apparel and textile manufacturing – workplace skills	Demonstrate knowledge of safe working practices in the apparel or textile industry.	✓	✓
20342	▲	2	7	Apparel cutting and sewing	Thread and operate an industrial lockstitch sewing machine in a learning environment.	✓	✓
20343	●	2	5	Apparel cutting and sewing	Thread and operate an industrial overlock sewing machine in a learning environment.		
23843	●	2	6	Apparel cutting and sewing	Demonstrate knowledge of production stages for an apparel manufacturing company.		
25240	●	2	3	Apparel cutting and sewing	Demonstrate knowledge of the factors that influence the cost of a garment.	✓	✓

* 2021 Unit standards available to schools. This list is subject to change without notice from NZQA or Hanga Aro Rau. Current training and assessment materials are available from [Competenz](#).

¹ Assessment guide resource available

² Model answers resource available

All secondary schools have base scope accreditation for level 2 apparel, cutting and sewing domain

Apparel

The following unit standards are only available after successful application to Hanga Aro Rau and NZQA for Consent to assess

Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²
2626	N/A	3	3	Apparel cutting and sewing	Hand press a garment.		
2832	N/A	3	3	Apparel design and patternmaking	Measure people for outerwear fitment.		
2834	N/A	3	6	Apparel cutting and sewing	Demonstrate knowledge of garment construction in a learning environment.		
2835	N/A	3	6	Apparel design and patternmaking	Construct pattern blocks for children's clothing.	✓	✓
2839	N/A	3	3	Apparel design and patternmaking	Grade patterns for adults' trousers and skirts.		
2847	N/A	3	3	Apparel cutting and sewing	Demonstrate knowledge of clothing production, finishing and storage systems.		
13387	N/A	3	6	Apparel design and patternmaking	Construct pattern blocks for women's outerwear.		
13388	N/A	3	6	Apparel design and patternmaking	Construct pattern blocks for men's outerwear.		
17817	N/A	3	6	Apparel cutting and sewing	Assemble and sew a complete garment from cut components.	✓	✓
17818	N/A	3	3	Apparel cutting and sewing	Sew collars on garments.	✓	✓
17819	N/A	3	3	Apparel cutting and sewing	Sew pockets in garments.		
17820	N/A	3	3	Apparel cutting and sewing	Sew sleeves in garments.	✓	✓
17821	N/A	3	3	Apparel cutting and sewing	Sew zips in garments.		

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¹ Assessment guide resource available

² Model answers resource available

Work, learn and earn!

Apprenticeships available now

Browse, sign up, apply!

Browse our current vacancies, sign up for our job alerts, and apply at [competenz.org.nz](https://www.competenz.org.nz)


Competenz


Te Pūkenga

Baking

Taka kai



Baking involves the preparation and sale of baked goods, including cakes, biscuits, bread and pastries.

Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²
7755	●	2	2	Food processing - Health and safety	Apply safe working practices in the food or related product processing workplace.		
9955	▲	2	2	Baking	Thaw and prove frozen doughs.	✓	✓
14708	▲	2	8	Baking	Retard products for batch baking.	✓	✓
14709	▲	2	4	Baking	Freeze products for batch baking.	✓	✓
14721	▲	2	6	Baking	Prepare and apply icings and glazes to bakery products using manual production methods.	✓	✓
14722	▲	2	6	Baking	Prepare to, and decorate bakery products using manual production methods.	✓	✓
14723	▲	2	6	Baking	Prepare and apply toppings to bakery products using manual production methods.	✓	✓
14724	▲	2	6	Baking	Prepare and apply fillings to bakery products using manual production methods.	✓	✓

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¹ Assessment guide resource available

² Model answers resource available

Engineering

Pūkaha



Engineering is a branch of science and technology that involves the design, construction and use of engines, machines and structures.

Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²	WK ³
4433	▲	1	2	Engineering – measurement	Select, use and care for simple measuring devices used in engineering.	✓	✓	✓
22923	▲	1	12	Mechanical engineering technology	Demonstrate basic engineering skills under close supervision.	✓	✓	✓
22924	▲	1	10	Mechanical engineering technology	Develop a simple product using engineering materials.	✓	✓	✓
22926	▲	1	2	Mechanical engineering technology	Demonstrate knowledge of safety procedures in a specific engineering workshop.	✓	✓	✓
2387	● ▲	2	2	Mechanical assembly	Assemble mechanical components under supervision.	✓	✓	✓
2395	▲	2	4	Engineering core skills	Select, use and care for engineering hand tools.	✓	✓	✓
2396	▲	2	4	Engineering core skills	Select, use and maintain portable handheld engineering power tools.	✓	✓	✓
2430 ⁴	▲	2	4	Engineering drawing and design	Manually produce and interpret engineering sketches under supervision.	✓	✓	✓
2431	▲	2	8	Engineering drawing and design	Manually produce and interpret simple engineering component drawings under supervision.	✓	✓	✓
2432 ⁴	▲	2	3	Engineering drawing and design	Manually construct plane geometric shapes for engineering.	✓	✓	✓
2433	▲	2	6	Engineering drawing and design	Produce simple engineering component drawings using CAD software.	✓	✓	
4435	▲	2	3	Engineering – measurement	Select, use and care for engineering dimensional measuring equipment.	✓	✓	✓
4436	▲	2	4	Engineering – measurement	Select, use and care for engineering marking-out equipment.	✓	✓	✓

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¹ Assessment guide resource available

² Model answers resource available

³ Workbook resource available

⁴ Unit standards expire in December 2022 – contact Hanga Aro Rau for more information.

Engineering

Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²	WK ³
20917 ⁴	▲	2	2	Engineering – materials	Demonstrate basic knowledge of engineering materials.	✓	✓	✓
21905 ⁵	▲	2	6	Engineering core skills	Demonstrate knowledge of trade calculations and units for mechanical engineering trades.	✓	✓	✓
21906 ⁴	▲	2	12	Engineering core skills	Perform basic mechanical engineering machining operations under supervision.	✓	✓	
21907	▲	2	3	Welding	Demonstrate and apply knowledge of safe welding procedures under supervision.	✓	✓	
21908 ⁵	▲	2	3	Engineering core skills	Demonstrate knowledge of basic mechanics for mechanical engineering trades.	✓	✓	✓
21909 ⁴	▲	2	1	Engineering core skills	Demonstrate knowledge of fasteners used in mechanical engineering.	✓	✓	✓
21911	▲	2	2	Engineering core skills	Demonstrate knowledge of safety on engineering worksites.	✓	✓	✓
32051	▲	2	4	Manufacturing pathway skills	Demonstrate and apply knowledge of mechanical engineering drawings and geometric construction in MaPS environment.	✓	✓	
32053	▲	2	7	Manufacturing pathway skills	Demonstrate knowledge of and apply good work practices when performing machining operations in MaPS environment.	✓	✓	
32055	▲	2	7	Manufacturing pathway skills	Demonstrate knowledge of and apply good work practices when performing simple fabrication operations in MaPS environment	✓	✓	

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² Model answers resource available

³ Workbook resource available

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Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²	WK ³
32052	▲	3	4	Manufacturing pathway skills	Demonstrate knowledge of and produce development drawings and patterns for three-dimensional objects in MaPS environment.	✓	✓	
32054	▲	3	7	Manufacturing pathway skills	Produce components by performing engineering machining operations in MaPS environment.	✓	✓	
32056	▲	3	7	Manufacturing pathway skills	Perform fabrication operations in MaPS environment.	✓	✓	
2436	N/A	3	5	Engineering drawing and design	Create three-dimensional engineering models under supervision.	✓	✓	
4797 ⁵	N/A	3	5	Engineering – materials	Demonstrate knowledge of the composition of common engineering metals.	✓	✓	✓
20799	N/A	3	4	Engineering – materials	Demonstrate knowledge of common engineering metals.	✓	✓	✓
20802	N/A	3	6	Engineering drawing and design	Produce detailed two-dimensional drawings using CAD software under supervision.	✓	✓	
21910 ⁴	N/A	3	5	Engineering drawing and design	Interpret mechanical engineering drawings.	✓	✓	

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¹ Assessment guide resource available

² Model answers resource available

³ Workbook resource available

⁴ Unit standards expire in December 2021 – contact Hanga Aro Rau for more information

⁵ Unit standards expire in December 2022 – contact Hanga Aro Rau for more information.

All secondary schools have base scope accreditation for level 1 and level 2 engineering and level 3 manufacturing pathway skill domains. Excluding unit standard 21907 – Demonstrate and apply knowledge of safe welding procedures under supervision.

Forestry

Mahinga ngahere



Forestry involves the art and science of planting, managing and harvesting forests.

The following unit standards are only available after successful application to Hanga Aro Rau and NZQA for Consent to assess

Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²
6916*	●	2	5	Forest operations	Demonstrate knowledge of the rules relating to chainsaw use	✓	✓
6917*	●	2	8	Non-commercial forestry skills	Demonstrate basic chainsaw operation	✓	✓
17769*	●	2	5	Forest foundation skills	Demonstrate knowledge of general health, safety, and environmental requirements in forestry	✓	✓
1252*	N/A	3	5	Forest landing operations	Demonstrate knowledge of log making	✓	✓
1253*	N/A	3	5	Forestry – Breaking out	Demonstrate knowledge of ground based log extraction	✓	✓
6950*	N/A	3	5	Forest silviculture operations	Demonstrate knowledge of thinning plantation trees and equipment used	✓	✓
17763*	N/A	3	5	Tree felling	Demonstrate knowledge of tree felling	✓	✓
17772*	N/A	3	5	Forest operations	Demonstrate knowledge of environmental requirements in forestry operations	✓	✓
22994*	N/A	3	10	Forest foundation skills	Demonstrate knowledge of factors that affect the performance of forestry workers	✓	✓
24575*	N/A	3	5	Forest operations	Demonstrate knowledge of factors that affect the quality of commercial forestry operations	✓	✓
24579*	N/A	3	5	Forest operations	Demonstrate knowledge of incident response in plantation forests	✓	✓
1227	●	2	5	Forestry knowledge	Demonstrate knowledge of plantation forest harvesting	✓	✓

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² Model answers resource available

Forestry

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Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²	WK ³
22997	●	2	5	Forest foundation skills	Demonstrate knowledge of principles of commercial forestry	✓	✓	✓
22998	●	2	10	Forest foundation skills	Demonstrate forestry foundation skills under supervision for pruning plantation trees	✓	✓	
27999	●	2	10	Forest foundation skills	Demonstrate forestry foundation skills under supervision for landing operations	✓	✓	
23000	●	2	10	Forest foundation skills	Demonstrate forestry foundation skills under supervision for plantation forest establishment	✓	✓	✓
23001	●	2	10	Forest foundation skills	Demonstrate forestry foundation skills under supervision for breaking out for plantation forestry	✓	✓	✓
1221	N/A	3	5	Forest operations	Explain and interpret job prescriptions for forestry operations	✓	✓	✓
1234	N/A	3	8	Forest establishment	Plant plantation trees	✓	✓	✓

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¹ Assessment guide resource available

² Model answers resource available

³ Workbook resource available

For more information about this industry including available unit standards, please contact our Career Development team at schools@competenz.org.nz.

Student Trades Guide



Order our trades guide
for your students today at
competenz.org.nz/schools


Competenz


Te Pūkenga

Furniture

Ngā rawa

Furniture involves the design, production and sale of moveable articles in a room or establishment to make it fit for living or working.



Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²	WK ³
2216	▲	2	2	Furniture making	Recognise and confirm furniture job specifications.	✓	✓	✓
2199	▲	2	4	Furniture making	Use and maintain hand tools for furniture making.	✓	✓	✓
2220	▲	2	4	Furniture making	Set and operate a single boring machine to bore holes in furniture components.	✓	✓	✓
9785	▲	2	4	Furniture making	Set and operate a flat-bed sander to sand wooden furniture components.	✓	✓	✓
9786	▲	2	2	Furniture making	Set and operate a sanding machine to sand shaped furniture components.	✓	✓	✓
14995	▲	2	2	Furniture making	Construct freehand drawings for use in furniture making.	✓	✓	✓
16230	▲	2	2	Furniture making	Demonstrate knowledge of and use of adhesives in furniture making.	✓	✓	✓
16231	▲	2	3	Furniture making	Calculate lengths, areas and costs, and percentages of waste for furniture making.	✓	✓	✓
16232	▲	2	4	Furniture making	Use portable power tools for furniture making.	✓	✓	✓
16235	▲	2	4	Furniture operations	Demonstrate knowledge of manufactured boards used in furniture operations.	✓	✓	✓
18909	▲	2	2	Furniture making	Set and operate a basic planning machine to produce simple wooden furniture components.	✓	✓	✓
18915	▲	2	3	Furniture making	Use fixing hardware in furniture making.	✓	✓	✓
18917	▲	2	3	Furniture making	Construct hand joints for furniture.	✓	✓	✓
18918	▲	2	6	Furniture making	Construct a furniture carcass.	✓	✓	✓
20047	▲	2	4	Furniture making	Hand-turn wood to produce furniture making articles.	✓	✓	✓
25536	▲	2	3	Furniture making	Operate a bandsaw to produce furniture components.	✓	✓	✓

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Furniture

Unit*	VP	Level	Credits	Domain	Title	AG ¹	MA ²	WK ³
25550	▲	2	3	Furniture making	Operate a straight cutting saw to cut square profiled furniture components.	✓	✓	✓
25551	▲	2	2	Furniture making	Operate a dimension saw to produce square profiled furniture components.	✓	✓	✓
25569	▲	2	6	Furniture operations	Demonstrate knowledge of timber types and insect attack in furniture operations.	✓	✓	✓
25570	▲	2	4	Furniture operations	Demonstrate knowledge of abrasives used in furniture production.	✓	✓	✓
25667	▲	2	2	Furniture operations	Plan own career path within the furniture manufacturing industry.			

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9792	N/A	3	2	Furniture making	Operate a dovetailing machine to dovetail wooden drawers.	✓	✓	✓
14996	N/A	3	6	Furniture making	Construct working drawings for use in furniture making.	✓	✓	✓
14997	N/A	3	6	Furniture making	Construct perspective drawings for use in furniture making.	✓	✓	✓
14998	N/A	3	4	Furniture making	Construct isometric and oblique drawings for use in furniture making.	✓	✓	✓
25557	N/A	3	4	Furniture making	Assemble and fit traditional drawers to a cabinet using wooden runners.	✓	✓	
25559	N/A	3	4	Furniture making	Assemble solid wood show wood shelving units.	✓	✓	
25562	N/A	3	3	Furniture making	Fit doors to cabinet using adjustable hinges.	✓	✓	
25572	N/A	3	6	Furniture operations	Demonstrate knowledge of hardware used in furniture making and its application.	✓	✓	✓

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¹ Assessment guide resource available

² Model answers resource available

³ Workbook resource available

All secondary schools have base scope accreditation for level 2 furniture units.

Work, learn and earn!

Apprenticeships available now

Browse, sign up, apply!

Browse our current vacancies, sign up for our job alerts, and apply at [competenz.org.nz](https://www.competenz.org.nz)


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Te Pūkenga



Printing

Te tā

Printing involves the production of newspapers, magazines, books and other printed material, such as packaging and promotional collateral.



Unit*	VP	Level	Credits	Domain	Title
340	●	2	5	Printing production	Demonstrate knowledge of safe working practices in the print industry.
2281	●	2	7	Printing production	Demonstrate knowledge of the print industry.
5129**	●	2	4	Printing – screen	Reclaim screens using a pressure gun for screen printing.
5131	●	2	4	Printing – screen	Wash up for screen printing.
20058	●	2	5	Printing production	Demonstrate understanding of trade calculations for the print industry.
23554	●	2	5	Digital processes for print	Demonstrate knowledge of safe working practices in a digital print environment.

The following unit standards are only available after successful application to Hanga Aro Rau and NZQA for Consent to assess

365	N/A	3	5	Printing – sheet-fed	Wash up a sheet-fed offset printing press.
3644**	N/A	3	6	Binding and finishing	Use hand skills for print finishing and bookbinding.
3673**	N/A	3	5	Printing production	Undertake packing and despatch for print production.
16509	N/A	3	5	Printing – sheet-fed	Demonstrate knowledge of, calculate requirements for, and handle and store substrates used for sheet-fed printing.
16526	N/A	3	5	Printing – reel-fed	Demonstrate knowledge of, calculate requirements for, and handle and store substrates used for reel-fed printing.
20097	N/A	3	15	Digital processes for print	Produce black and white and colour printed documents using a digital copier.
21328	N/A	3	12	Printing – screen	Demonstrate industry knowledge for screen printing.

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** No workbooks available for these units.

Printing

Unit*	VP	Level	Credits	Domain	Title
24988**	N/A	3	7	Pad printing	Demonstrate industry knowledge for pad printing.
25398	N/A	3	20	Digital processes for print	Demonstrate knowledge of digital photography, operate a camera and prepare images for production.
26311	N/A	3	5	Printing – reel-fed	Wash up a reel-fed printing press.
26315	N/A	3	15	Printing – reel-fed	Demonstrate industry knowledge for reel-fed printing.
26321	N/A	3	15	Printing – sheet-fed	Demonstrate industry knowledge for sheet-fed printing.
27881	N/A	3	20	Digital processes for print	Create simple jobs using digital processes for printing.

* 2021 Unit standards available to schools. This list is subject to change without notice from NZQA or Hanga Aro Rau. Current training and assessment materials are available from [Competenz](#).

** No workbooks available for these units.

Wood manufacturing

Hanga rākau




Wood manufacturing involves three major categories – sawed timber; woodwork products like doors and trims; and wood derivative products like veneers and plywood.

Wood manufacturing

Unit*	VP	Level	Credits	Domain	Title
156	 	2	3	Wood manufacturing foundation skills	Demonstrate knowledge of phytosanitary standards in the wood manufacturing industry.
159		2	5	Wood manufacturing foundation skills	Demonstrate knowledge of environmental issues in wood manufacturing industries.
160		2	7	Wood manufacturing foundation skills	Demonstrate knowledge of the principles of sawmilling.
162	 	2	5	Wood manufacturing foundation skills	Demonstrate knowledge of the principles of wood drying.
164	 	2	3	Timber yarding	Tally timber.
165	 	2	3	Timber yarding	Handle, sort and stack timber.
729	 	2	5	Wood manufacturing foundation skills	Measure moisture content of wood products.
736	 	2	5	Wood manufacturing foundation skills	Demonstrate knowledge of physical characteristics of wood.
15774	 	2	5	Wood manufacturing foundation skills	Demonstrate knowledge of timber machining.
16244	 	2	5	Wood manufacturing foundation skills	Demonstrate knowledge of wood preservation.
17971	 	2	5	Wood manufacturing foundation skills	Demonstrate knowledge of solid wood manufacturing industry.
22969		2	3	Wood manufacturing foundation skills	Take and record measurements and make calculations in wood manufacturing.
22970		2	10	Wood manufacturing foundation skills	Demonstrate employment and interrelationship foundation skills in a wood manufacturing operation.
22973	 	2	10	Wood manufacturing foundation skills	Demonstrate knowledge of factors that affect the performance of wood manufacturing workers.

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Current training and assessment materials are available from [Competenz](#).

Unit	VP	Level	Credits	Domain	Title
22977		2	5	Wood manufacturing foundation skills	Demonstrate knowledge of workplace risks in a wood manufacturing operation.
24607**		2	3	Manufacturing skills	Wrap wood products manually.
27074	 	2	5	Wood manufacturing foundation skills	Demonstrate knowledge of timber grading.
The following unit standard are only available after successful application to Competenz and NZQA for Consent to Assess					
155	N/A	3	10	Wood manufacturing foundation skills	Demonstrate knowledge of the properties of wood.

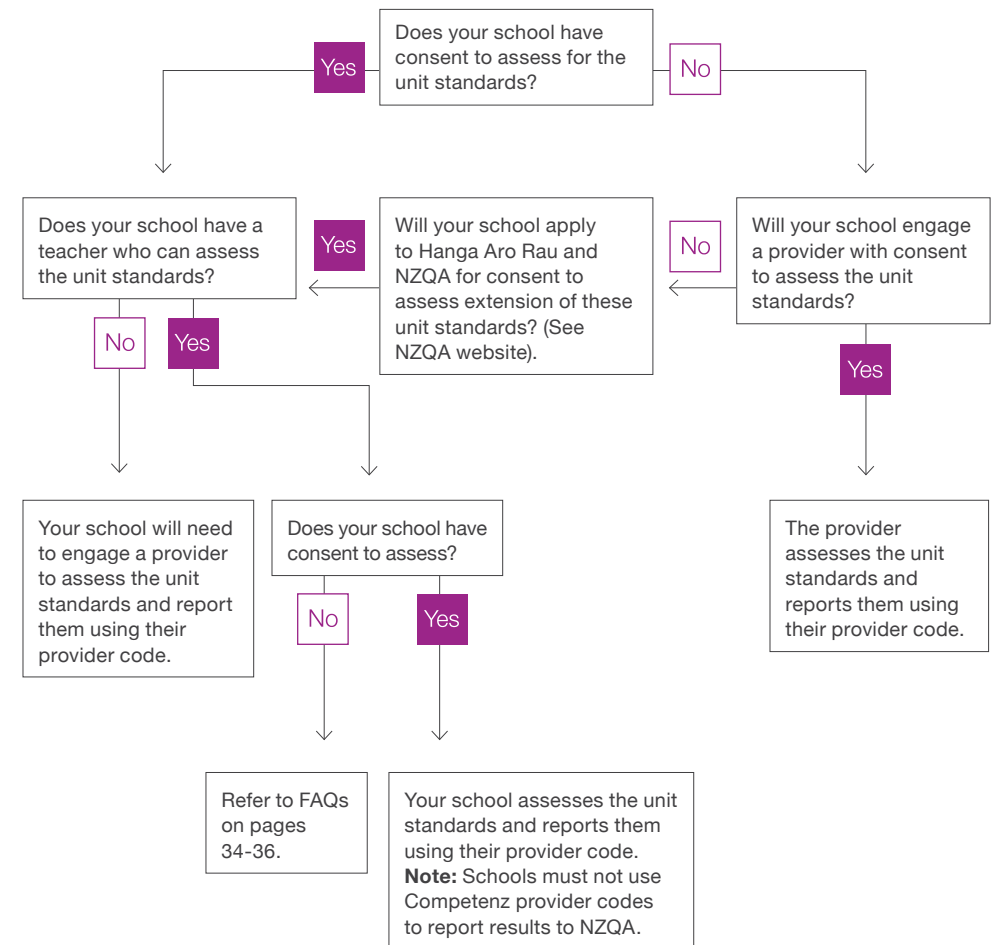
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Current training and assessment materials are available from [Competenz](#).

** No workbooks available for these units.

“Skills are more valuable than money and the skills that I’m learning while doing my apprenticeship will stay with me forever. I can take them with me overseas. It just opens up so many options.”

Paul Taurima
Engineering apprentice

Quality assurance



FAQs

Consent to assess

How do I apply for consent to assess?

Schools must apply to NZQA for consent to assess and are unable to assess until they receive NZQA approval.

We recognise the merits of having diverse education sectors with a range of vocation pathways and delivery options that cater to varying learner needs.

Schools can apply to Hanga Aro Rau for a letter of support to accompany their NZQA consent to assess application. Schools must also meet the Consent and Moderation Requirements (CMR) (on the NZQA website) for the letter of support to be approved.

While Hanga Aro Rau can support your application to NZQA for consent to assess, the final decision is made by NZQA.

How do I find out if our school has consent to assess to report certain unit standards to NZQA?

There are two ways to access details on whether a provider (including schools) has consent to assess for a particular unit standard.

You can search for your school on the NZQA website nzqa.govt.nz and click on 'these standards and groups of standards' under the consent to assess section.

Alternatively, go to nzqa.govt.nz/framework/search/index.do, enter the unit standard number and check whether your school appears under the relevant 'region' in the following section: "View Education Organisations with Consent to Assess".

For more information, including moderation and consent to assess pricing, please visit Hanga Aro Rau www.hangaarorau.nz

Moderation

Moderation now sits with Hanga Aro Rau. For any questions please visit www.hangaarorau.nz email moderation@hangaarorau.nz or call 04 909 0255

How often will we be moderated?

The frequency of moderation will depend on a number of factors. They can be found in the Competenz Moderation Plan: competenz.org.nz/assets/Documents/20025-Cz-Moderation-Plan-2020.pdf, however at a minimum each school will be moderated at least once every two years.

Please note that other moderation samples may be requested at any time, in line with external requests from other standard-setting bodies, and where Competenz identifies any area of risk.

What is pre-moderation?

All assessment materials developed for Competenz unit standards must be pre-moderated and approved by Competenz before use: this includes assessment materials that have been modified to reflect version changes.

What is post assessment moderation?

Competenz moderates a significant sample of assessments each year to ensure the quality of decisions.

The amount of moderation requested depends on the number and variety of Competenz unit standards reported by a school.

What evidence do we need to provide for pre-moderated assessment materials?

When using pre-moderated assessment materials you must ensure you collect all of the evidence required before awarding the unit standard. This may consist of worksheets, verifications, attestations and theory questions completed by your students.

Once I register on the Competenz schools website, how long does it take before I get my login and password?

You will receive a reply within five business days.

How do I know if we are using the right version of the unit standard?

If you are using Competenz materials, make sure you are using the latest materials available – please check our website.

If you are not using Competenz materials, be aware of new versions of unit standards. There can be significant changes between versions and changes to your materials might be required. When changes are made to materials, they must be submitted to Hanga Aro Rau for pre-moderation.

Student Trades Guide



Order our trades guide
for your students today at
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