



Automotive
Building
Carpentry
Early Childhood Ed
Engineering
Fashion
Hospitality
Mahi-a-toi
Mechatronics
Multi Skills
Radio
Tourism Plus

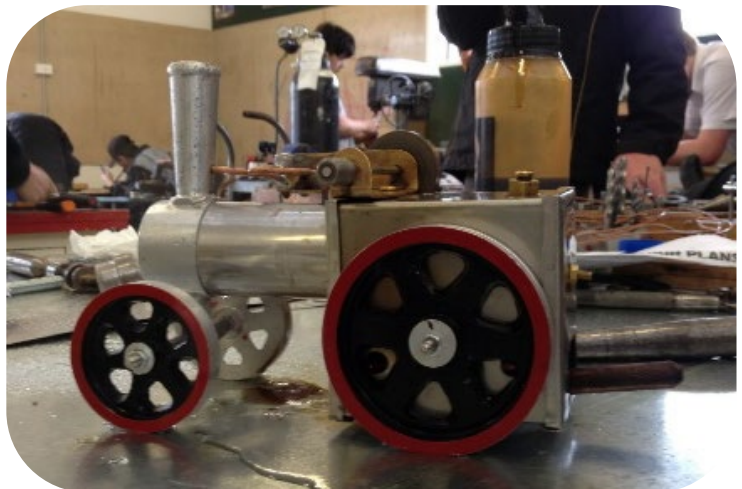
Welcome to the Engineering Academy.

Nau mai ki te Whare Aronui o Tiriwa. The Engineering Academy welcomes you.

This academy operates at Level 1 and takes place one hour every day. The students are introduced to mechanical engineering skills and techniques. This academy is the first step towards an engineering apprenticeship or a career in a similar field. The academy will lead directly to the Automotive Academy in Year 12 and 13. Both academies are in the Manufacturing and Technology sector.

Students will gain skills in basic engineering workshop techniques including, cutting, marking out, measuring, joining, assembly, and finishing of metal products. The students will build a fully working model steam engine as part of the course.

All the standards covered in this course will contribute to the Level 1 NCEA qualification plus students will have the opportunity of gaining the National Certificate in Mechanical Engineering Technology (Level 1).



Engineering Academy Level 1 (Year 1, 1 period per day)

Level 1 Engineering Academy			
Standard	Description	Int or Ext	Credits
US 22923	Demonstrate basic workshop skills under close supervision	I	12
US 22924	Develop a simple product using engineering materials.	I	10
US 22926	Demonstrate knowledge of safety procedures in a specific engineering workshop.	I	2
Total			24
This is a "Unit Standards Only" course			

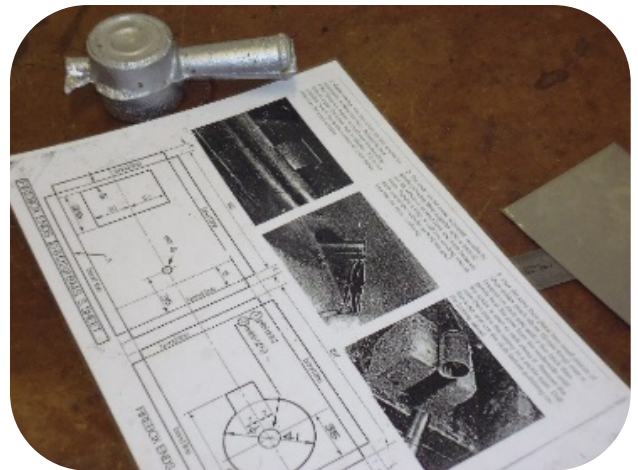
Students doing this course should also consider doing: Graphics, Maths (compulsory), Physics or Science, and English (compulsory). It is preferable that students have completed the Hard Materials option in Yrs 9 and 10.

Entry and commitment from students. All students who wish to apply for this academy must indicate their choice of the Level 1 Engineering Academy Pathway on the MHS Pathways online course selection.

Engineering Academy students do not complete an AWVA application form.

Students will need to be committed to maintaining their attendance at 95%.





Vocational Pathways Award within the Academies.

All the standards in Academy courses contribute to the NCEA. Students in the academies at Level 2 are also eligible for the Vocational Pathways Award. To get a Vocational Pathways Award, the student must gain Level 2 NCEA with a minimum of 20 Level 2 credits from Sector-Related, (SR), standards, (within that sector), and a further minimum of 40 credits from Recommended, (R), standards, (also within that sector), to make up a total of 60 pathway credits. (See tables). The SR standards are generally achieved within the academy and the R standards come from some academy standards plus standards in other subjects.

The Vocational Pathways Award enables employers to assess whether potential employees' skills align with their industry requirements more easily. The six Vocational Pathways sectors are: Constructions & Infrastructure (CI), Manufacturing & Technology (MT), Primary Industries (PI), Service Industries (SI), Social & Community Services (SC) and Creative Industries (CR). Note this award only applies to Level 2.

Diagram showing the minimum needed for the Vocational Pathways award.

Fees and Transport. Our academy courses are fees free. The Tourism Academy offers courses run by the International Travel College and other providers. These give students the opportunity to gain additional credits delivered by this NZQA approved tertiary provider. Transport to and from ITC is provided free from MHS.

Entry and commitment from students. All students who wish to apply for this academy must complete an AWVA application form, plus indicate their choice of the Tourism Academy Pathway in the MHS Pathways online selection process. Places will be limited and an interview process will be arranged with the student and their whanau or support person and the MHS academy tutor. Students will need to be committed to maintaining their attendance at 95% and to getting the bus at MHS to ITC, on the designated days.

Course structure. Level 2 and Level 3 are one period a day five days a week. The current existing standards are listed in the following tables. (Subject to change).

Individual education plans, IEPs. All students will have regular IEP meetings to check their progress towards their vocational pathways award and/or NCEA.

