



Automotive
Building
Carpentry
Early Childhood Ed
Engineering
Fashion & Beauty
Girls in Carpentry
Hospitality Plus
Mechatronics
Multi Skills
Radio
Tourism Plus

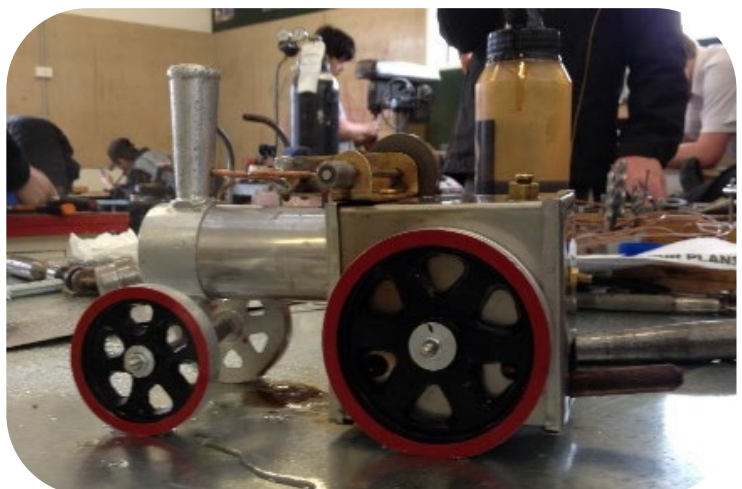
Welcome to the Engineering Academy.

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	
Unit Standards	Ver	Description	Int or Ext	Credits
22923	3	Demonstrate basic workshop skills under close supervision	I	12
22924	3	Develop a simple product using engineering materials.	I	10
22926	3	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 online course selection process on scholpoint, [SchoolPoint Useful Information](#). Email Mr Hackett at nhackett@masseyhigh.school.nz, if you have further questions.

Engineering Academy students do not complete an AWVA application form.

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

All the standards contribute credits to the NCEA.





