



Automotive  
Building  
Carpentry  
Early Childhood Ed  
Engineering  
Fashion  
Hospitality Plus  
Mechatronics  
Multi Skills  
Radio  
Tourism Plus

## Welcome to the Building Academy

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

This Academy creates real opportunities for enthusiastic students in carpentry and construction. Over the year, the students will be involved in building a three bedroom, 90m<sup>2</sup> houses on site at MHS. This is a one-year, full time Academy which allows students to achieve NCEA Level 3 and the Level 3 BCATS in Carpentry upon successful completion.

Entry into the Building Academy is at the discretion of the Building Tutor and Senior Management after an application is made. There will be a **trial period** which lasts to mid-Term 1.

All the standards covered in the course contribute to Level 3 NCEA or higher, plus students will have the opportunity of gaining the following certificates: Site Safe Passport, First Aid Certificate, Fork Hoist license, Ramset Powder Actuated Tool and the Paslode Nail Gun Certificate.

Students will also gain competency with a comprehensive range of building power and hand tools. Also, they will be trained in the Health and Safety requirements of modern construction sites and familiarity with the requirements of both employers and employees under the Health & Safety Act and Regulations.

There are no course fees for the Carpentry Academy, but students will need to purchase the Carpentry Academy Uniform.

### **The Building Academy Uniform.**

The regulation MHS Black Jersey (only for students who previously attended Massey High) plus the following items, some of which must be purchased through school.

- **A good quality, Orange Hi viz polar fleece Parka.**
- **A set of 3 Orange Hi vis Academy polo shirts (long or short sleeved)**
- **Socks**
- **Orange Hi vis Raincoat**
- **A good quality pair of safety boots**
- **Black cargo shorts or pants**
- **An Orange, Hi vis hoodie is acceptable (but this is colder than a polar fleece when wet)**

**The Academy uniform should not be purchased until acceptance into this academy is guaranteed.**



## Building Academy Level 3 (Full-time). (Subject to change).

Unit Standard	Level	Ver.	Domain	Title	Credits	SR
29684	3	1	BCATS	Undertake a Stage 3 BCATS project	12	
29681	3	1	BCATS	Measure and calculate for a Stage 3 BCATS project	3	
29677	3	1	BCATS	Follow safe workplace practices, and contribute to a health and safety culture, in a BCATS environment	2	
29679	3	1	BCATS	Develop and use BCATS project documentation for a Stage 3 BCATS project	8	
29682	3	1	BCATS	Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project	4	
10851	3	4	Fork lift	Operate a powered industrial lift truck (forklift)	7	
10852	3	4	Fork Lift	Operate a powered industrial lift truck (forklift) fitted with attachments	3	
18409	3	5	Fork Lift	Use a forklift mounted safety platform in the workplace	4	
24386	4	1	BCATS	Demonstrate Knowledge of Thermal Insulation and Sound Control	3	
21211	4	2	BCATS	Demonstrate Knowledge of weatherproofing buildings	3	
24382	4	1	BCATS	Demonstrate Knowledge of Setting out and Erecting Wall frames	5	
13017	4	3	BCATS	Demonstrate Knowledge of Fixing Exterior Claddings	3	
24388	4	1	BCATS	Demonstrate Knowledge of Fitting Interior linings and trim	5	
24381	3	1	BCATS	Demonstrate Knowledge of Floor framing Construction	3	
13004	4	3	BCATS	Demonstrate Setting out a building	3	
<i>Total of SR credits in Construction &amp; Infrastructure Pathway</i>					<b>68</b>	
<i>Total of non SR credits</i>					<b>68</b>	
<b>Total number of credits</b>					<b>68</b>	
<b><i>This course is a Unit Standards only" course.</i></b>						



**Course Description:** The level 3 building academy is a continuation of the level 2 carpentry course. The students will build a 3-bedroom house throughout the year as their major project. Although the practical component is similar, the Level 3 course has a larger focus on project management than carpentry theory. Students will understand the building process in terms of materials selection and how to manage different trades throughout the build. The course also has a large CAD (computer aided design) component. Students will learn how to draw the house with 3D software and produce a scaled set of plans to read from.

Students also cover Level 4 BCITO unit standards which contribute to a percentage of some of the standards that are in the BCITO apprenticeship program. The BCITO provide a certificate recognizing this prior achievement which will mean new apprentices will have already completed part of their apprenticeship.

**Fees, Transport & Drivers License.** Our academy courses are fees free. Any trips for our students will have the transport paid for by MHS. Students now sit their learners license at level 2 and their restricted license at level 3. This is through Rule Education who run the course at school.

**Entry and commitment from students.** All students who wish to apply for this academy must complete an AWVA application form. 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 be invited to attend the Level 3 Building Academy if they have demonstrated a high level of commitment and a strong work ethic in the Level 2 course. Students who have completed Level 2 in the main school are also invited to apply if they are interested in pursuing a career in construction / architecture or construction management. Students will need to be committed to maintaining their attendance at 95%.

**Course structure.** The course runs full time, (all day), five days a week. The start and finish of the day can be different to the rest of the school. There will be some extra days during the school year depending on the progress of the house build. The finish of the school year will also be dependent on the house build and students will be notified by the Building tutor. The current existing standards are listed in the following tables. (Subject to change).

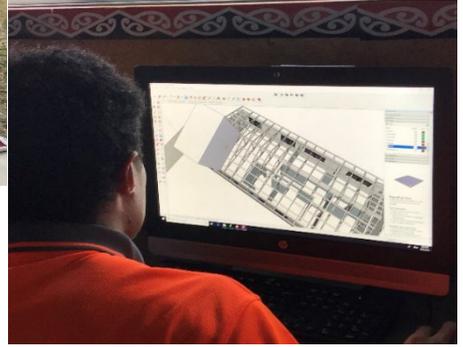
**Individual education plans, IEPs.** All students will have regular IEP meetings to check their progress towards their vocational pathways award and/or NCEA.

**Preferred subject choices along with Building.** The Level 3 Building Preference for Academy places will be given to students who have successfully completed Multi Skills or Level 2 carpentry or have a desire to make a career in this employment area.

**Students may only select ONE academy.**

**To apply for an academy use online selection** on schoolpoint, [SchoolPoint Useful Information](#).

1. Complete the online MHS course selection process and select the Academy (AWVA), you wish to apply for.
2. There is an Academy Application form to be completed – select the desired Academy from the drop-down list, **print, take it home and complete it and hand it to one of the staff below.**
3. See Mr Hackett, Ms. Douglas or Mr Tinling in the Academy Office (Building site carpark).
4. Email Mr Hackett at [nhackett@masseyhigh.school.nz](mailto:nhackett@masseyhigh.school.nz) if you have further questions.



# CARPENTRY/BUILDING ACADEMY

## CONSTRUCTION AND INFRASTRUCTURE VOCATIONAL PATHWAY

Career Options  
from Academy

Apprenticeships

Further Study  
Option no UE

- Fencer
- General Labourer
- Timber Grader
- Timber Machinist
- Fork-Lift Operator
- Heavy Truck Driver
- Sawmill Operator
- Scaffolder
- Painter and Decorator
- Roofer
- Boat Builder
- Building Control Officer
- Bricklayer
- Building Insulator
- Cabinet Maker
- Carpenter
- Stonemason
- Drain layer
- Joiner
- Plumber and Gasfitter
- Civil Engineering Technician
- Construction Site Manager
- Land Surveyor
- Quantity Surveyor
- Teacher

- BCITO

- Unitec
  - Certificate in Multi Skill Building Construction
  - Certificate in Applied Technology – Carpentry
  - Diploma in Applied Technology – Building
- G&H Training Limited
  - Pre-Employment Carpentry
- MIT
  - Certificate in Entry to Carpentry
  - Certificate in Carpentry
  - National Certificate in Carpentry
  - National Certificate in Construction – Leading Hand
  - National Certificate in Construction – Supervisors
  - National Certificate in Plumbing and Gas fitting
  - Certificate in Plumbing and Gas fitting
  - New Zealand Diploma in Engineering – Civil
  - MIT Certificate in pre-Degree studies - Engineering

